

## ARG56193 anti-PAX7 antibody [SPM613]

Package: 50 µg  
Store at: -20°C

### Summary

|                     |                                                    |
|---------------------|----------------------------------------------------|
| Product Description | Mouse Monoclonal antibody [SPM613] recognizes PAX7 |
| Tested Reactivity   | Hu                                                 |
| Tested Application  | IHC-P                                              |
| Host                | Mouse                                              |
| Clonality           | Monoclonal                                         |
| Clone               | SPM613                                             |
| Isotype             | IgG1, kappa                                        |
| Target Name         | PAX7                                               |
| Species             | Human                                              |
| Immunogen           | A recombinant PAX7 fragment (aa300-600).           |
| Conjugation         | Un-conjugated                                      |
| Alternate Names     | HUP1; RMS2; PAX7B; Paired box protein Pax-7; HuP1  |

### Application Instructions

| Application table | Application                                                                                                                                                                                                                                                                                               | Dilution      |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|                   | IHC-P                                                                                                                                                                                                                                                                                                     | 0.5 - 1 µg/ml |
| Application Note  | <p>IHC-P: Antigen Retrieval: Boiling tissue sections in 10mM Tris buffer with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p> |               |

### Properties

|                     |                                                                                                                                                                                                                                                                                                                            |
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| Form                | Liquid                                                                                                                                                                                                                                                                                                                     |
| Purification        | Purification with Protein G.                                                                                                                                                                                                                                                                                               |
| Buffer              | PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA.                                                                                                                                                                                                                                                                        |
| Preservative        | 0.05% Sodium azide                                                                                                                                                                                                                                                                                                         |
| Stabilizer          | 0.1 mg/ml BSA                                                                                                                                                                                                                                                                                                              |
| Concentration       | 0.2 mg/ml                                                                                                                                                                                                                                                                                                                  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                                                                                       |

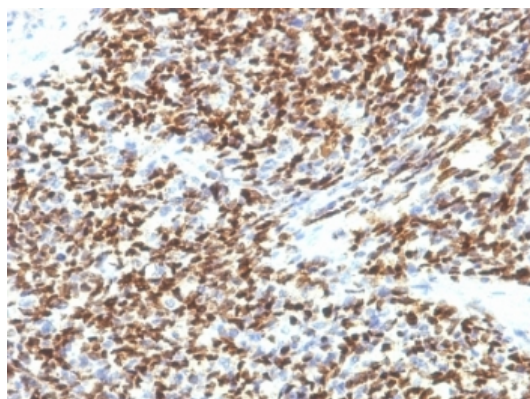
## Bioinformation

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Database links        | <a href="#">GeneID: 5081 Human</a><br><a href="#">Swiss-port # P23759 Human</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Symbol           | PAX7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Full Name        | paired box 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Background            | This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The specific function of the paired box 7 gene is unknown but speculated to involve tumor suppression since fusion of this gene with a forkhead domain family member has been associated with alveolar rhabdomyosarcoma. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008] |
| Function              | Transcription factor playing a role in myogenesis through regulation of muscle precursor cells proliferation. [UniProt]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Calculated Mw         | 55 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cellular Localization | Nuclear                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Images

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ARG56193 anti-PAX7 antibody [SPM613] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human Rhabdomyosarcoma stained with ARG56193 anti-PAX7 antibody [SPM613].