

ARG55645 anti-Prohibitin phospho (Tyr259) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

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|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes Prohibitin phospho (Tyr259) |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Specificity | The antibody detects endogenous level of Prohibitin only when phosphorylated at tyrosine 259. |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Prohibitin |
| Species | Human |
| Immunogen | KLH-conjugated phosphospecific peptide around Tyr259 (I-T-Y(p)-L-P) derived from Human Prohibitin. |
| Conjugation | Un-conjugated |
| Alternate Names | HEL-215; PHB1; Prohibitin; HEL-S-54e |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------------|
| | WB | 1:500 - 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

Properties

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| Form | Liquid |
| Purification | Affinity purification with phospho-specific peptide and the non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Buffer | PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Concentration | 1 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. 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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|----------------|---|
| Gene Symbol | PHB |
| Gene Full Name | prohibitin |
| Background | This gene is evolutionarily conserved, and its product is proposed to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting regulatory RNA. Several pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013] |
| Function | Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this effect. May play a role in regulating mitochondrial respiration activity and in aging. [UniProt] |
| Calculated Mw | 30 kDa |

Images

