

ARG44398 anti-LAGE3 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes LAGE3 |
| Tested Reactivity | Hu |
| Tested Application | ICC/IF, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | LAGE3 |
| Species | Human |
| Immunogen | Human LAGE3 recombinant protein (aa. sequence: A40-R143). |
| Conjugation | Un-conjugated |
| Alternate Names | LAGE3; L Antigen Family Member 3; DXS9879E; ITBA2; ESO3; DXS9951E; CVG5; EKC/KEOPS Complex Subunit LAGE3; Protein ESO-3; Pcc1; DNA Segment On Chromosome X (Unique) 9879 Expressed Sequence; L Antigen Family, Member 3; Protein ITBA2 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|----------------|
| | ICC/IF | 5 µg/ml |
| | WB | 0.25-0.5 µg/ml |

Application Note The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

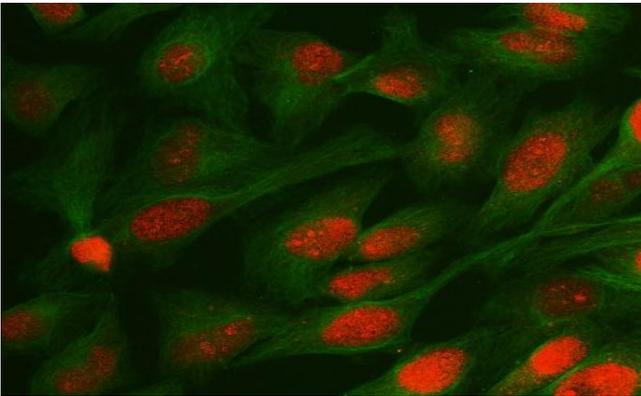
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Affinity purified with Immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 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

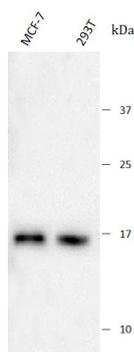
| | |
|-----------------------|---|
| Gene Symbol | LAGE3 |
| Gene Full Name | L Antigen Family Member 3 |
| Background | This gene belongs to the ESO/LAGE gene family, members of which are clustered together on chromosome Xq28, and have similar exon-intron structures. Unlike the other family members which are normally expressed only in testis and activated in a wide range of human tumors, this gene is ubiquitously expressed in somatic tissues. The latter, combined with the finding that it is highly conserved in mouse and rat, suggests that the encoded protein is functionally important. An intronless pseudogene with high sequence similarity to this gene is located on chromosome 9. |
| Function | Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t6A37) in tRNAs that read codons beginning with adenine. |
| Calculated Mw | 15 kDa |
| Cellular Localization | Cytoplasm, Nucleus |

Images



ARG44398 anti-LAGE3 antibody ICC/IF image

Immunofluorescence: HeLa stained with ARG44398 anti-LAGE3 antibody at 5 $\mu\text{g}/\text{mL}$ dilution.



ARG44398 anti-LAGE3 antibody WB image

Western blot: MCF-7 and 293T stained with ARG44398 anti-LAGE3 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.