

ARG59780 anti-SLC39A7 antibody

Package: 100 µl
Store at: -20°C

Summary

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes SLC39A7 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | SLC39A7 |
| Species | Human |
| Immunogen | Recombinant fusion protein corresponding to aa. 235-380 of Human SLC39A7 (NP_008910.2). |
| Conjugation | Un-conjugated |
| Alternate Names | HKE4; Really interesting new gene 5 protein; RING5; H2-KE4; Solute carrier family 39 member 7; D6S115E; Zinc transporter SLC39A7; D6S2244E; KE4; ZIP7; Zrt-, Irt-like protein 7; Histidine-rich membrane protein Ke4 |

Application Instructions

| Application table | <table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:1000 - 1:3000</td></tr> </table> | Application | Dilution | WB | 1:1000 - 1:3000 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|----|-----------------|
| Application | Dilution | | | | |
| WB | 1:1000 - 1:3000 | | | | |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | | | | |
| Positive Control | HeLa and A431 | | | | |
| Observed Size | 50 kDa | | | | |

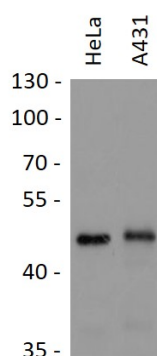
Properties

| | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| 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 | SLC39A7 |
| Gene Full Name | solute carrier family 39 (zinc transporter), member 7 |
| Background | The protein encoded by this gene transports zinc from the Golgi and endoplasmic reticulum to the cytoplasm. This transport may be important for activation of tyrosine kinases, some of which could be involved in cancer progression. Therefore, modulation of the encoded protein could be useful as a therapeutic agent against cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014] |
| Function | Zinc transporter, that transports Zn(2+) from the endoplasmic reticulum/Golgi apparatus to the cytosol. Transport is stimulated by growth factors, such as EGF, and Ca(2+), as well as by exogenous Zn(2+). [UniProt] |
| Calculated Mw | 50 kDa |
| PTM | Rapidly phosphorylated by CK2 following Zn(2+) treatment. This phosphorylation is required for efficient cytosolic Zn(2+) release. [UniProt] |
| Cellular Localization | Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus, cis-Golgi network membrane. [UniProt] |

Images



ARG59780 anti-SLC39A7 antibody WB image

Western blot: 25 µg of HeLa and A431 cell lysates stained with ARG59780 anti-SLC39A7 antibody at 1:1000 dilution.