ARG46689
anti-SLC39A7 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SLC39A7
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SLC39A7
Species	Human
Immunogen	A 17 amino acid synthetic peptide within the last 50 amino acids of human SLC39A7.
Conjugation	Un-conjugated
Alternate Names	SLC39A7; 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

Application	Dilution
IHC-P	Assay-dependent
WB	Assay-dependent

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

Observed Size: 50 kDa

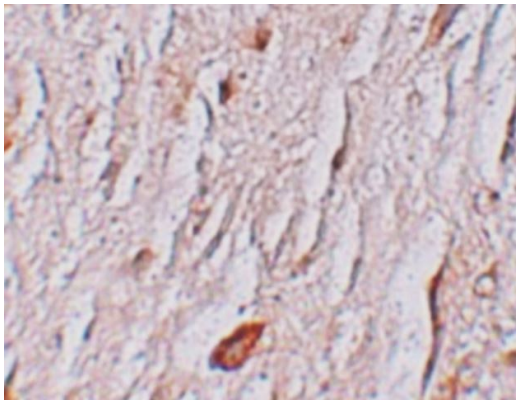
Properties

Purification	Affinity chromatography purified
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
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

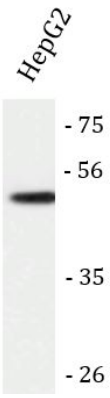
Gene Symbol	SLC39A7
Gene Full Name	solute carrier family 39 (zinc transporter), member 7
Background	The protein encoded by this gene transports zinc from the Golgi and endoplasmic reticulum to the cytoplasm. This transport may be important for activation of tyrosine kinases, some of which could be involved 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



ARG46689 anti-SLC39A7 antibody IHC-P image

Immunohistochemistry: Human brain stained with ARG46689 anti-SLC39A7 antibody.



ARG46689 anti-SLC39A7 antibody WB image

Western blot: HepG2 stained with ARG46689 anti-SLC39A7 antibody.

ARG46689 anti-SLC39A7 antibody WB image

Western blot: Rat brain stained with ARG46689 anti-SLC39A7 antibody.