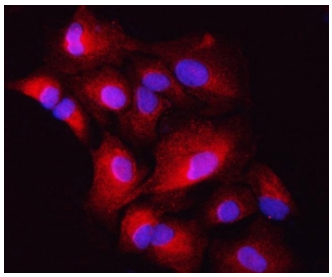
ZIP7 Antibody / HKE4 / SLC39A7 (RQ7710)

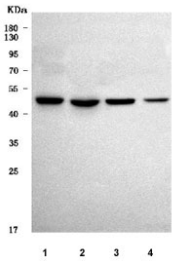
Catalog No.	Formulation	Size
RQ7710	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q92504
Localization	Cytoplasmic (ER), nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This ZIP7 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with ZIP7 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HepG2, 2) HeLa, 3) 293T and 4) A549 cell lysate with ZIP7 antibody. Predicted molecular weight ~50 kDa.

Description

Zinc transporter SLC39A7 (ZIP7), also known as solute carrier family 39 member 7 (SLC39A7) and Histidine-rich membrane protein Ke4 (HKE4), is a protein that in humans is encoded by the SLC39A7 gene. 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.

Application Notes

Optimal dilution of the ZIP7 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids F154-Q384) was used as the immunogen for the ZIP7 antibody.

Storage

After reconstitution, the ZIP7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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