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SLC39A2 Rabbit pAb

Catalog # AP97278

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9NP94
Other Accession	Q9NP94
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32742
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLC39A2
Epitope Specificity	31-130/309
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ZIP transporter (TC 2.A.5) family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the ZIP family of metal ion transporters. The encoded protein functions as a zinc transporter. Mutations in this gene may be associated with susceptibility to carotid artery disease. Multiple transcript variants have been described. [provided by RefSeq, Mar 2010]

Additional Information

Gene ID	29986
Other Names	6A1; ETI-1; ZIP-2; ZIP2; F730005G13Rik; Gm1789; Gm289; hZIP2; S39A2_HUMAN; SLC39A2; Solute carrier family 39 member 2; Zrt- and Irt-like protein 2 (ZIP-2 | hZIP2); Q2HIZ9_MOUSE; D3ZIN1_RAT; solute carrier family 39 (zinc transporter), member 2; zinc transporter 2; ZRT/IRT-like protein 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SLC39A2 (HGNC:17127)

Synonyms	ZIP2
Function	Transporter for the divalent cation Zn(2+) (PubMed: 10681536, PubMed:29791142, PubMed:30914478). Mediates the influx of Zn(2+) into cells from extracellular space. The Zn(2+) uniporter activity is independent of H(+)-driving force, but is modulated by extracellular pH and membrane potential. Also transports other divalent cations Zn(2+), Cd2(+), Cu2(+), Co2(+) in the order of decreasing affinity, respectively (PubMed:29791142, PubMed:30914478). In the skin, aids in the differentiation of keratinocytes in the epidermis (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed only in prostate and uterine epithelial cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.