

Anti-ZNT2 Antibody

Catalog # AP53936

Product Information

Application	WB
Primary Accession	Q9BRI3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40564

Additional Information

Gene ID	7780
Other Names	ZNT2; Zinc transporter 2; ZnT-2; Solute carrier family 30 member 2
Target/Specificity	Recognizes endogenous levels of ZNT2 protein.
Dilution	WB~~1/500 - 1/2000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

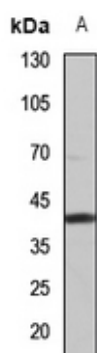
Protein Information

Name	SLC30A2 (HGNC:11013)
Function	[Isoform 1]: Electroneutral proton-coupled antiporter concentrating zinc ions into a variety of intracellular organelles including endosomes, zymogen granules and mitochondria. Thereby, plays a crucial role in cellular zinc homeostasis to confer upon cells protection against its potential cytotoxicity (PubMed: 17065149 , PubMed: 21289295 , PubMed: 22733820 , PubMed: 25657003 , PubMed: 25808614 , PubMed: 30893306). Regulates the zinc concentration of milk, through the transport of zinc ions into secretory vesicles of mammary cells (PubMed: 19496757). By concentrating zinc ions into lysosomes participates to lysosomal-mediated cell death during early mammary gland involution (PubMed: 25808614).
Cellular Location	[Isoform 1]: Cytoplasmic vesicle, secretory vesicle membrane; Multi-pass membrane protein. Zymogen granule membrane {ECO:0000250 UniProtKB:Q2HJ10}; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Mitochondrion inner membrane; Multi-pass membrane protein. Note=Localization to lysosomes is induced by TNF-alpha

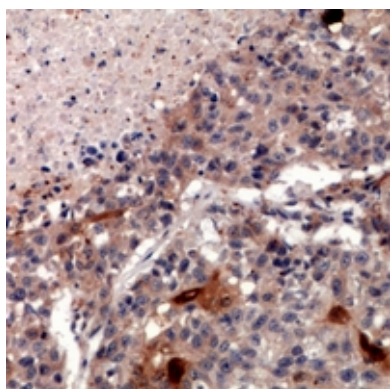
Background

Rabbit polyclonal antibody to ZNT2

Images



Western blot analysis of ZNT2 expression in rat kidney (A) whole cell lysates.



Immunohistochemical analysis of ZNT2 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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