

Anti-ZNT2 Antibody
Catalog # AP53936**Specification**

Anti-ZNT2 Antibody - Product Information

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

Anti-ZNT2 Antibody - 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

Anti-ZNT2 Antibody - 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

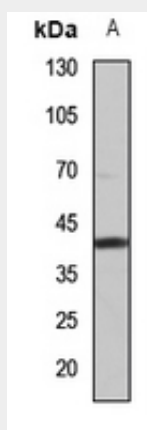
[Isoform 1]: Cytoplasmic vesicle, secretory vesicle membrane; Multi-pass membrane protein. Zymogen granule membrane {ECO:0000250|UniProtKB:Q2HJ10}; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Mitochondrion inner membrane; Multi-pass membrane protein. Note=Localization to lysosomes is induced by TNF-alpha

Anti-ZNT2 Antibody - Protocols

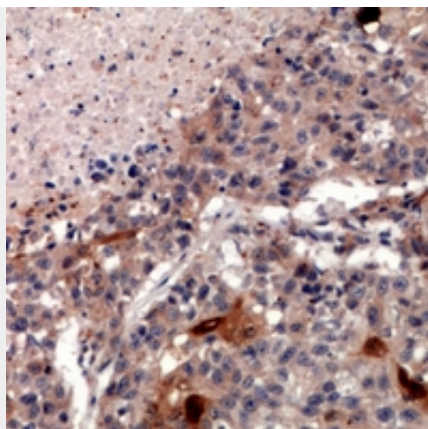
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ZNT2 Antibody - 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.

Anti-ZNT2 Antibody - Background

Rabbit polyclonal antibody to ZNT2