

Anti-ZNT2 Antibody
Catalog # ABV11926**Specification**

Anti-ZNT2 Antibody - Product Information

Application	IHC, WB
Primary Accession	Q9BRI3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	40564

Anti-ZNT2 Antibody - Additional Information**Gene ID** 7780

Positive Control	WB: HeLa, RAW264.7, PC12 cell lystate; IHC: human lung cancer
Application & Usage	WB; 1:500 - 1:2000, IHC; 1:50 - 1:200

Other Names

ZNT2, Zinc transporter 2, ZnT-2, Solute carrier family 30 member 2

Target/Specificity

SLC30A2

Antibody Form

Liquid

Appearance

Colorless liquid

Handling

The antibody solution should be gently mixed before use

Reconstitution & Storage

-20°C

Background Descriptions**Precautions**

Anti-ZNT2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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:21289295, PubMed:25808614, PubMed:25657003, PubMed:30893306, PubMed:17065149, PubMed:22733820). 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).

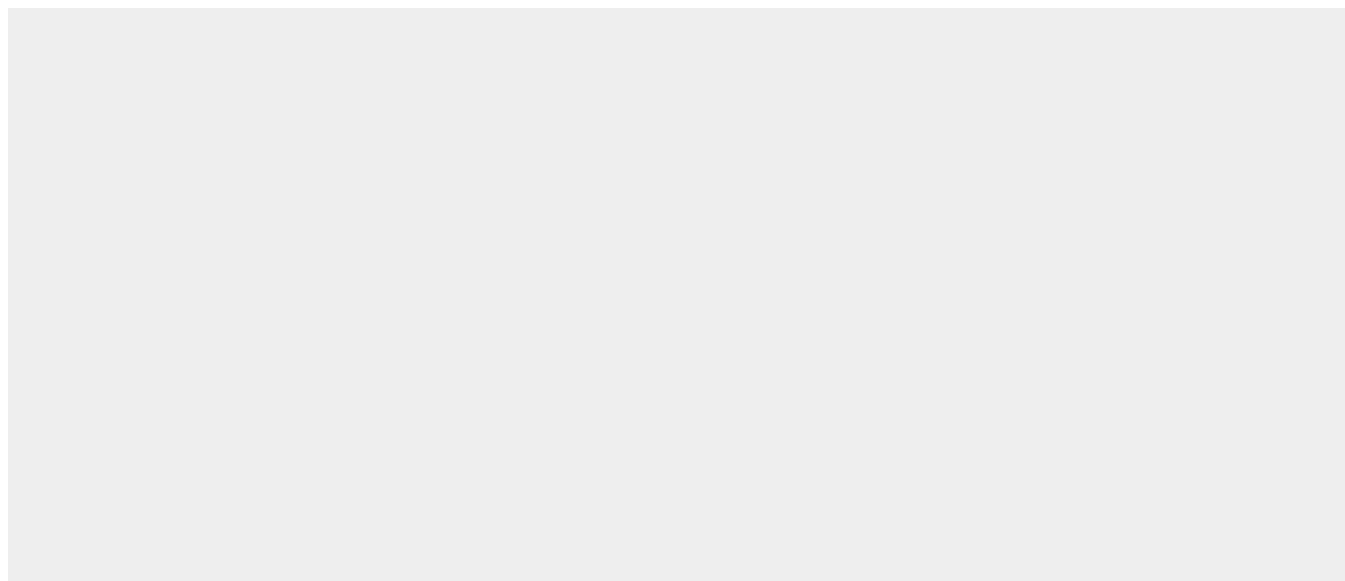
Cellular Location

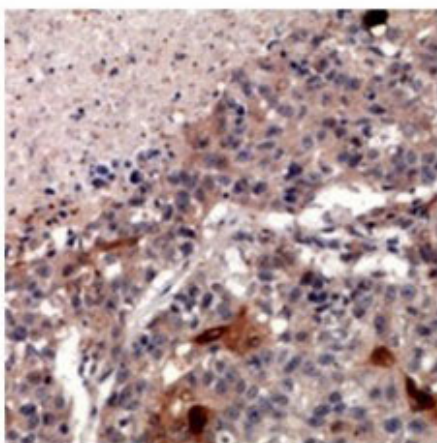
[Isoform 1]: Cytoplasmic vesicle, secretory vesicle membrane; Multi-pass membrane protein. Zymogen granule membrane {ECO:0000250|UniProtKB:Q2HJ10}; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein. Mitochondrion inner membrane;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

Anti-ZNT2 Antibody - Protocols

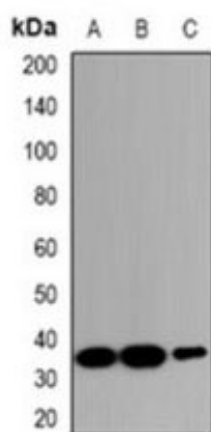
Provided below are standard protocols that you may find useful for product applications.

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

Anti-ZNT2 Antibody - Images



Immunohistochemical analysis of ZNT2 staining in human lung cancer formalin fixed paraffin embedded tissue section.



WB analysis of ZNT2 expression in HeLa (A); RAW264.7 (B); PC12 (C) whole cell lysates.