

Anti-ZNRF2 Antibody
Rabbit Polyclonal antibody
Catalog # ABV11873**Specification**

Anti-ZNRF2 Antibody - Product Information

Application	IHC, IF, WB
Primary Accession	Q8NHG8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24115

Anti-ZNRF2 Antibody - Additional Information**Gene ID** 223082

Positive Control	WB: HEK293T, A549, RAW264.7, H9C2 cell lysate; IHC: human brain tissue; IF: A549 cells
Application & Usage	WB; 1:500 - 1:2000, IHC; 1:50 - 1:200, IF/IC; 1:50 - 1:100
Alias Symbol	ZNRF2
Other Names	RNF202, E3 ubiquitin-protein ligase ZNRF2, Protein Ells2, RING finger protein 202, Zinc/RING finger protein 2

Formulation

In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide

Reconstitution & Storage

12 months under -20°C

Background Descriptions**Precautions**

Anti-ZNRF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-ZNRF2 Antibody - Protein Information**Name** ZNRF2**Synonyms** RNF202

Function

E3 ubiquitin-protein ligase that plays a role in the establishment and maintenance of neuronal transmission and plasticity. Ubiquitinates the Na(+)/K(+) ATPase alpha-1 subunit/ATP1A1 and thereby influences its endocytosis and/or degradation (PubMed:22797923). Acts also as a positive regulator of mTORC1 activation by amino acids, which functions upstream of the V-ATPase and of Rag-GTPases (PubMed:27244671). In turn, phosphorylation by mTOR leads to its inhibition via targeting to the cytosol allowing a self-regulating feedback mechanism (PubMed:27244671).

Cellular Location

Endosome membrane; Peripheral membrane protein. Lysosome membrane; Peripheral membrane protein. Presynaptic cell membrane; Peripheral membrane protein. Cytoplasm

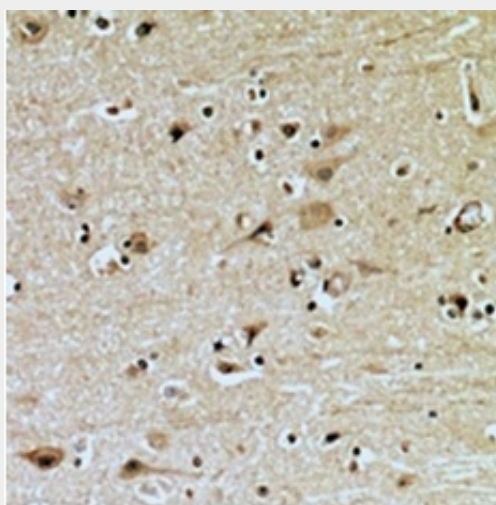
Tissue Location

Highly expressed in the brain, with higher expression during development than in adult. Expressed also in mammary glands, testis, colon and kidney.

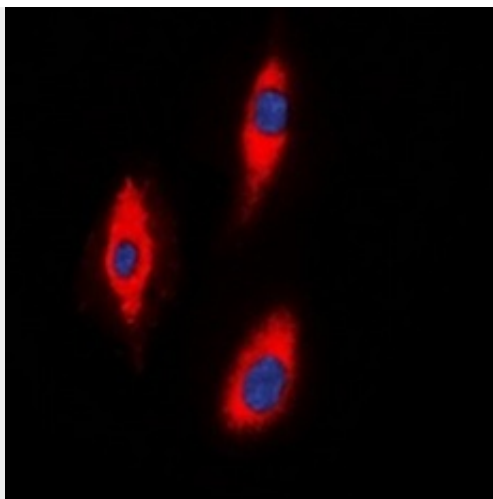
Anti-ZNRF2 Antibody - Protocols

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

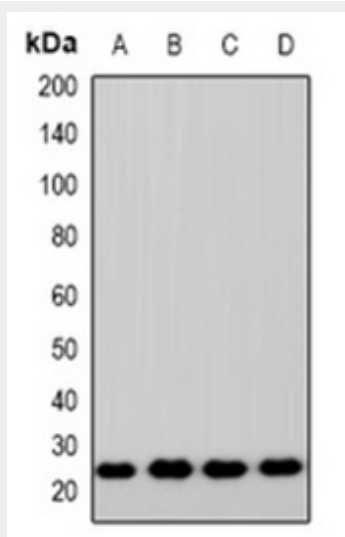
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ZNRF2 Antibody - Images

Immunohistochemical analysis of ZNRF2 staining in human brain formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of ZNRF2 staining in A549 cells.



Western blot analysis of ZNRF2 expression in HEK293T(A), A549(B), RAW264.7(C), H9C2(D) whole cell lysates.

Anti-ZNRF2 Antibody - Background

E3 ubiquitin-protein ligase ZNRF2 protein plays a role in the establishment and maintenance of neuronal transmission and plasticity via its ubiquitin ligase activity. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.