

ZNRF2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20753a**Specification**

ZNRF2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q8NHG8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24115

ZNRF2 Antibody (N-term) - Additional Information**Gene ID** 223082**Other Names**

E3 ubiquitin-protein ligase ZNRF2, 632-, Protein Ells2, RING finger protein 202, Zinc/RING finger protein 2, ZNRF2, RNF202

Target/Specificity

This ZNRF2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 2-36 amino acids from the N-terminal region of human ZNRF2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ZNRF2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ZNRF2 Antibody (N-term) - 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

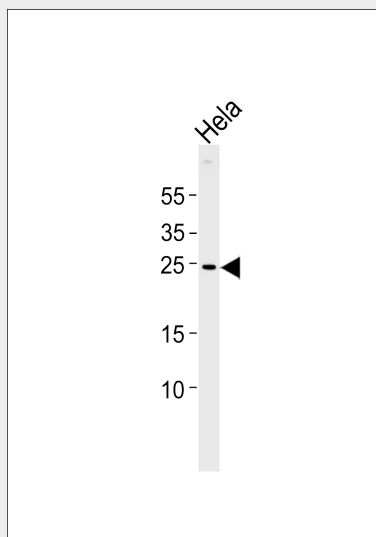
Highly expressed in the brain, with higher expression during development than in adult. Expressed also in mammary glands, testis, colon and kidney.

ZNRF2 Antibody (N-term) - 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](#)

ZNRF2 Antibody (N-term) - Images



Western blot analysis of lysate from HeLa cell line, using ZNRF2 Antibody (N-term)(Cat. #AP20753a). AP20753a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

ZNRF2 Antibody (N-term) - Background

May play 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.

ZNRF2 Antibody (N-term) - References

Araki T.,et al.J. Neurosci. 23:9385-9394(2003).

Guo J.H.,et al.Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.

Olsen J.V.,et al.Cell 127:635-648(2006).

Plans V.,et al.J. Cell. Biochem. 97:572-582(2006).

Cantin G.T.,et al.J. Proteome Res. 7:1346-1351(2008).