10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-ZNRF2 Rabbit Monoclonal Antibody

Catalog # ABO13723

Specification

Anti-ZNRF2 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q8NHG8
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-ZNRF2 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-ZNRF2 Rabbit Monoclonal Antibody - Additional Information

Gene ID 223082

Other Names
E3 ubiquitin-protein ligase ZNRF2, 2.3.2.27, Protein Ells2, RING finger protein 202, RING-type E3 ubiquitin transferase ZNRF2, Zinc/RING finger protein 2, ZNRF2, RNF202

Calculated MW
24115 MW KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:100

Subcellular Localization
Endosome membrane ; Peripheral membrane protein. Lysosome membrane ; Peripheral membrane protein. Cell junction, synapse, presynaptic cell membrane ; Peripheral membrane protein. Present in presynaptic plasma membranes in neurons.

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

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human ZNRF2

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-ZNRF2 Rabbit Monoclonal 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 Rabbit Monoclonal 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 Cytomety
- Cell Culture

Anti-ZNRF2 Rabbit Monoclonal Antibody - Images

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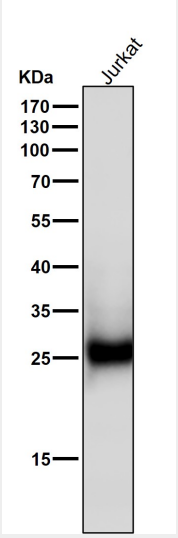
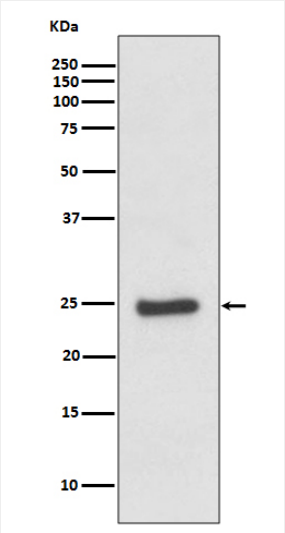


All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of ZNRF2 expression in HeLa cell lysate.