

Anti-ZNRF2 Rabbit Monoclonal Antibody

Catalog # ABO13723

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.

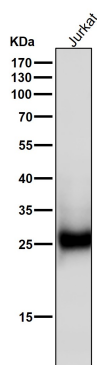
Additional Information

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
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..
Source	Eukaryota
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.
Clone Names	Clone: IGB-26
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.

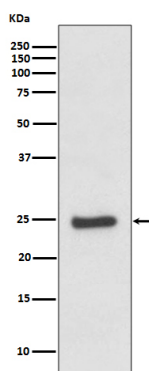
Protein Information

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.

Images



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.