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

ZNRF2 Rabbit mAb

Catalog # AP77589

Product Information

Application	WB, IHC-P
Primary Accession	Q8NHG8
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human ZNRF2
Purification	Affinity Chromatography
Calculated MW	24115

Additional Information

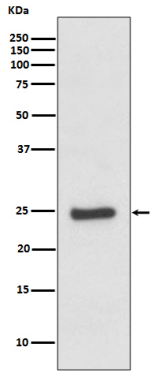
Gene ID	223082
Other Names	ZNRF2
Dilution	WB~~1/500-1/1000 IHC-P~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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



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