

# ZNRF2 Rabbit mAb

Catalog # AP77589

## Product Information

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

## Additional Information

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

## Protein Information

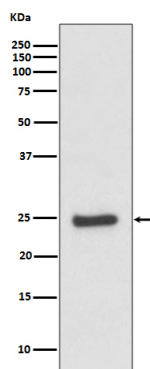
<b>Name</b>	ZNRF2
<b>Synonyms</b>	RNF202
<b>Function</b>	E3 ubiquitin-protein ligase that plays a role in the establishment and maintenance of neuronal transmission and plasticity. Ubiquitinates the Na(+)/K(+) ATPase alpha-1 subunit/ATP1A1 and thereby influences its endocytosis and/or degradation (PubMed: <a href="#">22797923</a> ). Acts also as a positive regulator of mTORC1 activation by amino acids, which functions upstream of the V-ATPase and of Rag-GTPases (PubMed: <a href="#">27244671</a> ). In turn, phosphorylation by mTOR leads to its inhibition via targeting to the cytosol allowing a self-regulating feedback mechanism (PubMed: <a href="#">27244671</a> ).
<b>Cellular Location</b>	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'.