

## Anti-ZNRF1 antibody

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<b>Description</b>	Unconjugated Rabbit polyclonal to ZNRF1
<b>Model</b>	STJ190797
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	ELISA, WB
<b>Gene ID</b>	<a href="#">84937</a>
<b>Gene Symbol</b>	<a href="#">ZNRF1</a>
<b>Dilution range</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Specificity</b>	ZNRF1 Polyclonal Antibody detects endogenous levels of protein.
<b>Tissue Specificity</b>	Expressed primarily in the nervous system, with expression higher in developing brain relative to adult. Expressed at low levels in testis and thymus.
<b>Purification</b>	ZNRF1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	E3 ubiquitin-protein ligase ZNRF1 Nerve injury-induced gene 283 protein RING-type E3 ubiquitin transferase ZNRF1 Zinc/RING finger protein 1
<b>Molecular Weight</b>	24 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated

<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:18452</a> <a href="#">OMIM:612060</a>
<b>Alternative Names</b>	E3 ubiquitin-protein ligase ZNRF1 Nerve injury-induced gene 283 protein RING-type E3 ubiquitin transferase ZNRF1 Zinc/RING finger protein 1
<b>Function</b>	E3 ubiquitin-protein ligase that mediates the ubiquitination of AKT1 and GLUL, thereby playing a role in neuron cells differentiation. Plays a role in the establishment and maintenance of neuronal transmission and plasticity. Regulates Schwann cells differentiation by mediating ubiquitination of GLUL. Promotes neurodegeneration by mediating 'Lys-48'-linked polyubiquitination and subsequent degradation of AKT1 in axons: degradation of AKT1 prevents AKT1-mediated phosphorylation of GSK3B, leading to GSK3B activation and phosphorylation of DPYSL2/CRMP2 followed by destabilization of microtubule assembly in axons (Probable).
<b>Sequence and Domain Family</b>	The RING-type zinc finger domain is required for E3 ligase activity.
<b>Cellular Localization</b>	Endosome. Lysosome. Membrane. Peripheral membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Associated with synaptic vesicle membranes in neurons.

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