

Rabbit ZNRF1 Polyclonal Antibody | anti-ZNRF1 antibody

ZNRF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327977	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ZNRF1; Polyclonal Antibody; ZNRF1 Antibody; B830022L21Rik; DKFZp434E229; E3 ubiquitin protein ligase ZNRF1; E3 ubiquitin-protein ligase ZNRF1; EC 6.3.2.-; FLJ14846; MGC101991; MGC15430; Nerve injury gene 283; Nerve injury induced gene 283 protein; Nerve injury-induced gene 283 protein; NIN283; Rnf42; Zinc and ring finger 1; zinc and ring finger protein 1; zinc finger and ring finger protein 1; Zinc/RING finger protein 1; ZNRF 1; znrf1; ZNRF1_HUMAN; Zrfp1; anti-ZNRF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ZNRF1 antibody detects endogenous levels of total ZNRF1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	227
Applicable Applications for anti-ZNRF1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ZNRF1
Subcellular Location	Lysosome; Endosome
Tissue Specificity	Expressed primarily in the nervous system, with expression higher in developing brain relative to adult. Expressed at low levels in testis and thymus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of ZNRF1 using HeLa whole cell lysates



IHC (Immunohistochemistry)
AAA327977 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from rat brain, rat muscle, mouse brain, using ZNRF1 Antibody.



WB (Western Blot)
Western blot analysis of extracts from rat brain, using ZNRF1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ZNRF1 antibody

Function: 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). Subunit Structure: Interacts with AKT1, GLUL and TUBB2A. Similarity: The RING-type zinc finger domain is required for E3 ligase activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14150005
NCBI GeneID	84937
NCBI Accession #	NP_115644.1
NCBI GenBank Nucleotide #	NM_032268.4
UniProt Accession #	Q8ND25; Q9H083; D3DUJ9
Molecular Weight	Observed: 24 kDa Predicted: 24 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase ZNRF1
NCBI Official Synonym Full Names	zinc and ring finger 1
NCBI Official Symbol	ZNRF1
NCBI Official Synonym Symbols	NIN283
NCBI Protein Information	E3 ubiquitin-protein ligase ZNRF1
UniProt Protein Name	E3 ubiquitin-protein ligase ZNRF1
UniProt Gene Name	ZNRF1
UniProt Synonym Gene Names	NIN283

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

