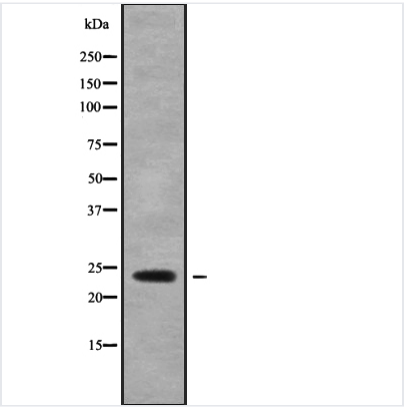
ZNRF1 Antibody

PRODUCT OVERVIEW

Product Name	ZNRF1, Antibody
Full Product Name	ZNRF1 Antibody
Product Gene Name	anti-ZNRF1 antibody
Molecular Weight	29,777 Da
OMIM	612060
3D Structure	ModBase 3D Structure for Q8ND25
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-ZNRF1 antibody	MBS8518503 is an antibody targeting ZNRF1. Also known as ZNRF1 Antibody.
Other Notes	Small volumes of anti-ZNRF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ZNRF1. It may not necessarily be applicable to this product.

NCBI GI #	14150005
NCBI GeneID	84937
NCBI Accession #	NP_115644.1
UniProt Primary Accession #	Q8ND25
UniProt Secondary Accession #	Q9H083; D3DUJ9
UniProt Related Accession #	Q8ND25
GenBank Nucleotide #	NM_032268.4
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
UniProt Protein Name	E3 ubiquitin-protein ligase ZNRF1
UniProt Synonym Protein Names	Nerve injury-induced gene 283 protein; RING-type E3 ubiquitin transferase ZNRF1; Zinc/RING finger protein 1
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	ZNRF1
UniProt Synonym Gene Names	NIN283
NCBI Protein Information	E3 ubiquitin-protein ligase ZNRF1
NCBI Summary for ZNRF1	This gene encodes an E3 ubiquitin-protein ligase that plays a role in neural-cell differentiation. Overexpression of this gene causes neurite-like elongation. The encoded protein contains both a zinc finger and a RING finger motif and is localized in the endosome/lysosome compartment, indicating that it may be involved in ubiquitin-mediated protein modification, and in synaptic vessicle membranes in neurons. [provided by RefSeq, Feb 2012]
UniProt Comments for ZNRF1	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).
Research Articles on ZNRF1	**1.** rs17684886 (ZNRF1) and rs599019 (COLEC12) are associated with diabetic retinopathy and rs6427247 (SCYL1BP1) and rs899036 (API5) are associated with severe diabetic retinopathy in Chinese patients with type 2 diabetes
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