Mouse RPN1 Monoclonal Antibody | anti-RPN1 antibody

RPN1 antibody

CATALOG #	HOST	APPLICATIONS
AAA107425	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

RPN1; Monoclonal Antibody; RPN1 antibody; Monoclonal RPN1; Anti-RPN1; Ribophorin I; DKFZp686B16177; OST1; RBPH1; RPN 1; RPN-1; anti-RPN1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1G5
Purity/Purification	RPN1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	607
Applicable Applications for anti-RPN1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	This protein is a type I integral membrane protein found only in the rough endoplasmic reticulum. The encoded protein is part of an N-oligosaccharyl transferase complex that links high mannose oligosaccharides to asparagine residues found in the Asn-X-Ser/Thr consensus motif of nascent polypeptide chains. This protein forms part of the regulatory subunit of the 26S proteasome and may mediate binding of ubiquitin-like domains to this proteasome.
Cross-Reactivity	Human
Immunogen	RPN1 antibody was raised in mouse using a full length recombinant protein of human RPN1 (NP_002941) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant RPN1 protein using RPN1 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant RPN1 protein (Right) or empty vector (Left) detected with RPN1 antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant RPN1 protein (red) or empty vector (blue) stained using RPN1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-RPN1 antibody	Mouse monoclonal RPN1 antibody
Product Categories/Family for anti-RPN1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506675
NCBI GeneID	6184
NCBI Accession #	NP_002941
NCBI GenBank Nucleotide #	NM_002950.3
UniProt Accession #	P04843; Q68DT1; B2R5Z0; D3DNB6
Molecular Weight	68,569 Da
NCBI Official Full Name	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1
NCBI Official Synonym Full Names	ribophorin I
NCBI Official Symbol	RPN1
NCBI Official Synonym Symbols	OST1; RBPH1
NCBI Protein Information	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1
UniProt Protein Name	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1
UniProt Gene Name	**RPN1**
UniProt Synonym Gene Names	RPN-I
UniProt Entry Name	RPN1_HUMAN

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/rpn1-antibody-clone-1g5-western-blot-immunofluorescence-flow-cytometry-elisa/107425