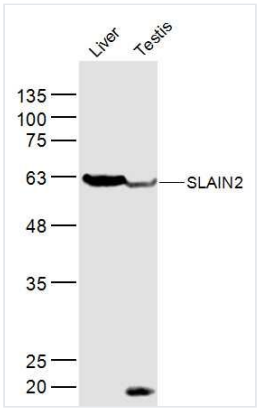
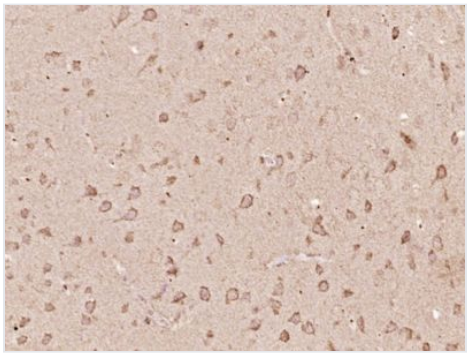
SLAIN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLAIN2, Polyclonal Antibody
Full Product Name	SLAIN2 Polyclonal Antibody
Product Gene Name	anti-SLAIN2 antibody
Product Synonym Names	SLAIN motif-containing protein 2; SLAIN2; KIAA1458
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	64 kDa
OMIM	610492
3D Structure	ModBase 3D Structure for Q9P270
Applications Tested/Suitable for anti-SLAIN2 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), Immunohistochemistry-Frozen (IHC-F), Immunofluorescence (IF), Immunocytochemistry (ICC)
Related Product Information for anti-SLAIN2 antibody	MBS9236295 is an antibody targeting SLAIN2. Also known as SLAIN2 Polyclonal Antibody. Reactive in Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SLAIN2 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.



Wester Blot (WB) of anti-SLAIN2 antibody
Sample: Liver (Mouse) Lysate at 40 ug Testis (Mouse) Lysate at 40 ug Primary: Anti-SLAIN2 (bs-17513R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 63 kD Observed band size: 63 kD



Immunohistochemistry (IHC)-Paraffin of anti-SLAIN2 antibody
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 degree C for 30min; Antibody incubation with (SLAIN2) Polyclonal Antibody, Unconjugated (bs-17513R) at 1:400 overnight at 4 degree C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLAIN2. It may not necessarily be applicable to this product.

NCBI GI #	26454712
NCBI GeneID	57606
NCBI Accession #	AAH40993
UniProt Primary Accession #	Q9P270
UniProt Secondary Accession #	Q8N5R3; A8K4P1
UniProt Related Accession #	Q9P270
NCBI Official Full Name	SLAIN2 protein
NCBI Official Synonym Full Names	SLAIN motif family, member 2
NCBI Official Symbol	SLAIN2
NCBI Official Synonym Symbols	KIAA1458
UniProt Protein Name	SLAIN motif-containing protein 2
Protein Family	SLAIN motif-containing protein
UniProt Gene Name	SLAIN2
UniProt Synonym Gene Names	KIAA1458
UniProt Entry Name	SLAI2_HUMAN
NCBI Protein Information	SLAIN motif-containing protein 2
UniProt Comments for SLAIN2	SLAIN2: Binds to the plus end of microtubules and regulates microtubule dynamics and microtubule organization. Promotes cytoplasmic microtubule nucleation and elongation. Required for normal structure of the microtubule cytoskeleton during interphase. Belongs to the SLAIN motif-containing family. Protein type: Unknown function Chromosomal Location of Human Ortholog: 4p11 Cellular Component: nucleoplasm; microtubule cytoskeleton; centrosome; cytoplasm; nucleolus Molecular Function: protein binding Biological Process: positive regulation of microtubule polymerization; microtubule nucleation; cytoplasmic microtubule organization and biogenesis
Research Articles on SLAIN2	**1.** Results identify SLAIN2 as a key component of microtubule plus end interaction networks.
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