NCKPL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NCKPL, Polyclonal Antibody
Full Product Name	NCKPL, ID (NCKAP1L, HEM1, Nck-associated protein 1-like, Hematopoietic protein 1, Membrane-associated protein HEM-1) (MaxLight 550)
Product Gene Name	anti-NCKPL antibody
Product Synonym Gene Name	NCKAP1L
Product Synonym Names	NCKAP1L; HEM1; Nck-associated protein 1-like; Hematopoietic protein 1; Membrane-associated protein HEM-1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	122,478 Da
OMIM	141180
3D Structure	ModBase 3D Structure for P55160
Immunogen	NCKPL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 640-669 amino acids from the Central region of human NCKPL.
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-NCKPL antibody	Antibodies; Membrane Proteins
Applications Tested/Suitable for anti-NCKPL antibody	Western Blot (WB), FLISA
Application Notes for anti-NCKPL antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-NCKPL antibody	This gene encodes a member of the HEM family of tissue-specific transmembrane proteins which are highly conserved from invertebrates through mammals. This gene is only expressed in hematopoietic cells. The encoded protein is a part of the Scar/WAVE complex which plays an important role in regulating cell shape in both metazoans and plants. Alternatively spliced transcript variants encoding different isoforms have been found.
Product References and Citations for anti-NCKPL antibody	Joshi, A.D., et al. Clin. Cancer Res. 13 (18 PT 1), 5295-5304 (2007): Weiner, O.D., et al. PLoS Biol. 5 (9), E221 (2007): Weiner, O.D., et al. PLoS Biol. 4 (2), E38 (2006): Baumgartner, S., et al. J. Mol. Biol. 251(1):41-49(1995) Hromas, R., et al. Biochim. Biophys. Acta 1090(2):241-244(1991).

Other Notes	Small volumes of anti-NCKPL 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.
Searchable Terms for NCKPL purchase	MBS6324162 is an antibody targeting NCKPL. Also known as NCKPL, ID (NCKAP1L, HEM1, Nck-associated protein 1-like, Hematopoietic protein 1, Membrane-associated protein HEM-1) (MaxLight 550). Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	34485727
NCBI GeneID	3071
NCBI Accession #	NP_005328.2
UniProt Primary Accession #	P55160
UniProt Secondary Accession #	Q52LW0; B4DUT5
UniProt Related Accession #	P55160
GenBank Nucleotide #	NM_005337.4
NCBI Official Full Name	nck-associated protein 1-like isoform 1
NCBI Official Synonym Full Names	NCK-associated protein 1-like
NCBI Official Symbol	NCKAP1L
NCBI Official Synonym Symbols	HEM1
UniProt Protein Name	Nck-associated protein 1-like
UniProt Synonym Protein Names	Hematopoietic protein 1; Membrane-associated protein HEM-1
UniProt Gene Name	NCKAP1L
UniProt Synonym Gene Names	HEM1
UniProt Entry Name	NCKPL_HUMAN
NCBI Protein Information	nck-associated protein 1-like; hematopoietic protein 1; membrane-associated protein hem-1

UniProt Comments for NCKPL	HEM1: a component of the Scar/WAVE complex that plays an important role in regulating cell shape and motility. Found at elevated levels in cells of hematopoietic lineage. Localizes to propagating waves at the leading edge of a motile human neutrophils. The complex stimulates actin assembly; polymerized actin is reciprocally required to remove the complex from the membrane. Overexpression is associated with poor outcome in B-cell chronic lymphocytic leukemia patients. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 12q13.1 Cellular Component: membrane; integral to plasma membrane; cytosol Molecular Function: protein binding; protein complex binding; protein kinase activator activity Biological Process: response to drug; neutrophil chemotaxis; erythrocyte development; positive regulation of erythrocyte differentiation; myeloid cell homeostasis; positive regulation of cell adhesion mediated by integrin; positive regulation of CD4-positive, alpha beta T cell differentiation; maintenance of cell polarity; chemotaxis; positive regulation of CD8-positive, alpha-beta T cell differentiation; positive regulation of lymphocyte differentiation; B cell receptor signaling pathway; negative regulation of interleukin-17 production; B cell homeostasis; positive regulation of actin filament polymerization; positive regulation of protein kinase activity; negative regulation of interleukin-6 production; positive regulation of B cell proliferation; positive regulation of B cell differentiation; positive regulation of T cell proliferation; T cell homeostasis; protein complex assembly; positive regulation of gamma-delta T cell differentiation; cortical actin cytoskeleton organization and biogenesis; positive regulation of phagocytosis, engulfment; positive regulation of phosphorylation; negative regulation of apoptosis
Research Articles on NCKPL	**1.** the Hem-1/Nap1 component of the Scar/WAVE complex localizes to propagating waves that appear to organize the leading edge of a motile neutrophil
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