

Anti-NCKAP1L Antibody
Goat Anti Human Polyclonal Antibody
Catalog # ALS17632**Specification**

Anti-NCKAP1L Antibody - Product Information

Application	IHC-P
Primary Accession	P55160
Predicted	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Bovine, Horse, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	128153

Anti-NCKAP1L Antibody - Additional Information**Gene ID** 3071

Alias Symbol	NCKAP1L
Other Names	
NCKAP1L, HEM1, Hematopoietic protein 1, NCK-associated protein 1-like	

Target/Specificity
Human NCKAP1L.**Reconstitution & Storage**
Immunoaffinity purified**Precautions**
Anti-NCKAP1L Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-NCKAP1L Antibody - Protein Information****Name** NCKAP1L ([HGNC:4862](#))**Function**
Essential hematopoietic-specific regulator of the actin cytoskeleton (Probable). Controls lymphocyte development, activation, proliferation and homeostasis, erythrocyte membrane stability, as well as phagocytosis and migration by neutrophils and macrophages (PubMed:16417406, PubMed:17696648). Component of the WAVE2 complex which signals downstream of RAC to stimulate F-actin polymerization. Required for stabilization and/or translation of the WAVE2 complex proteins in hematopoietic cells (By similarity). Within the WAVE2 complex, enables the cortical actin network to restrain excessive degranulation and granule release by T-cells (PubMed:32647003). Required for efficient T-lymphocyte and neutrophil migration (PubMed:32647003).

href="http://www.uniprot.org/citations/32647003" target="_blank">32647003). Exhibits complex cycles of activation and inhibition to generate waves of propagating the assembly with actin (PubMed:16417406). Also involved in mechanisms WAVE-independent to regulate myosin and actin polymerization during neutrophil chemotaxis (PubMed:17696648). In T-cells, required for proper mechanistic target of rapamycin complex 2 (mTORC2)-dependent AKT phosphorylation, cell proliferation and cytokine secretion, including that of IL2 and TNF (PubMed:32647003).

Cellular Location

Cell membrane; Single-pass membrane protein; Cytoplasmic side. Cytoplasm. Note=Localizes to the leading edge of polarized neutrophils

Tissue Location

Expressed only in cells of hematopoietic origin (PubMed:7643388, PubMed:1932118). Expressed in neutrophils (at protein level) (PubMed:16417406). Expressed in T-cells (at protein level) (PubMed:32647003).

Anti-NCKAP1L Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-NCKAP1L Antibody - Images