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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:<a

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 Cytomety
- Cell Culture

Anti-NCKAP1L Antibody - Images