

Rabbit anti-Human, Mouse alpha-protein Kinase 1 Polyclonal Antibody | anti-ALPK1 antibody

alpha-protein Kinase 1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA296052	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

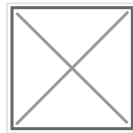
PRODUCT SYNONYMS

alpha-protein Kinase 1; Polyclonal Antibody; alpha-protein Kinase 1 Polyclonal Antibody; ALPK1; KIAA1527; LAK; Alpha-protein kinase 1; Chromosome 4 kinase; Lymphocyte alpha-protein kinase; anti-ALPK1 antibody

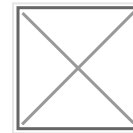
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Applicable Applications for anti-ALPK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Notes	ECO:0000303 PubMed:30111836, ECO:0000312 HGNC: HGNC:20917
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.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-ALPK1 antibody	Serine/threonine-protein kinase that detects bacterial pathogen-associated molecular pattern metabolites (PAMPs) and initiates an innate immune response, a critical step for pathogen elimination and engagement of adaptive immunity (PubMed:28222186, PubMed:30111836). Specifically recognizes and binds ADP-D-glycero-beta-D-manno-heptose (ADP-Heptose), a potent PAMP present in all Gram-negative and some Gram-positive bacteria (PubMed:30111836). ADP-Heptose-binding stimulates its kinase activity to phosphorylate and activate TIFA, triggering proinflammatory NF-kappa-B signaling (PubMed:30111836). May be involved in monosodium urate monohydrate (MSU)-induced inflammation by mediating phosphorylation of unconventional myosin MYO9A (PubMed:27169898). May also play a role in apical protein transport by mediating phosphorylation of unconventional myosin MYO1A (PubMed:15883161).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156151443
NCBI GeneID	80216

NCBI Accession #	NP_001095876.1
NCBI GenBank Nucleotide #	NM_001102406.1
UniProt Accession #	Q96QP1; Q68CI9; Q6P9F9; Q6ZNK4; Q9P201; B4E3G1; F5H138
Molecular Weight	139 KD
NCBI Official Full Name	alpha-protein kinase 1 isoform 1
NCBI Official Synonym Full Names	alpha-kinase 1
NCBI Official Symbol	ALPK1
NCBI Official Synonym Symbols	LAK; 8430410J10Rik
NCBI Protein Information	alpha-protein kinase 1; chromosome 4 kinase; lymphocyte alpha-kinase; lymphocyte alpha-protein kinase
UniProt Protein Name	Alpha-protein kinase 1
UniProt Gene Name	ALPK1
UniProt Synonym Gene Names	KIAA1527; LAK
UniProt Entry Name	ALPK1_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/polyclonal/alpha-protein-kinase-1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/296052>