

Rabbit Aak1 Polyclonal Antibody | anti-Aak1 antibody

Aak1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304745	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

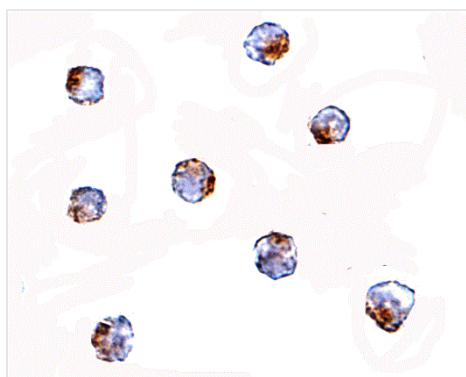
PRODUCT SYNONYMS

Aak1; Polyclonal Antibody; Aak1 Antibody; AP2-associated protein kinase 1; anti-Aak1 antibody

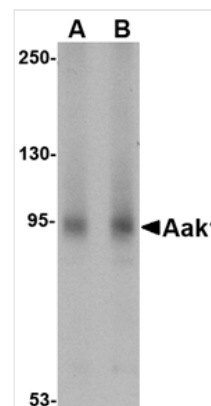
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	961
Applicable Applications for anti-Aak1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 20 amino acid peptide near the amino terminus of the human Aak1.
Target Name	Aak1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of Aak1 in A-20 cells with Aak1 antibody at 5 ug/mL.


WB (Western Blot)

Western blot analysis of Aak1 in A-20 lysate with Aak1 antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Aak1 antibody	AP2-associated protein kinase 1 (Aak1) is a member of the Ark1/Prk1 subfamily of Ser/Thr protein kinases that are thought to regulate endocytosis by phosphorylating the accessory endocytic components. Aak1 interacts with and phosphorylates the mu2 subunit of the AP-2 complex, which promotes binding of the AP-2 to tyrosine based (Yxxphi) internalization motif-containing receptors and subsequent receptor endocytosis. At least two isoforms of Aak1 are known to exist; the longer isoform contains an extended carboxy-terminus that contains an additional clathrin-binding domain. Overexpression of this long isoform or Aak1 depletion by RNA interference impairs transferrin recycling from the early/sorting endosome, suggesting that Aak1 functions at multiple steps of the endosomal pathway by regulating transferrin internalization and its recycling back to the plasma membrane.
Product Categories/Family for anti-Aak1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	148277037
NCBI GeneID	22848
NCBI Accession #	NP_055726
NCBI GenBank Nucleotide #	NM_014911.3
Molecular Weight	93,578 Da
NCBI Official Full Name	AP2-associated protein kinase 1
NCBI Official Synonym Full Names	AP2 associated kinase 1
NCBI Official Symbol	AAK1
NCBI Protein Information	AP2-associated protein kinase 1
UniProt Protein Name	AP2-associated protein kinase 1
UniProt Gene Name	AAK1
UniProt Synonym Gene Names	KIAA1048
UniProt Entry Name	AAK1_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/aak1-antibody-immunocytochemistry-western-blot-elisa/304745>