

Rabbit anti-Human, Mouse AAK1 Polyclonal Antibody | anti-AAK1 antibody

AAK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232883	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

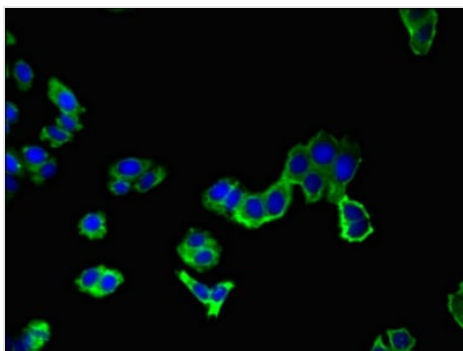
PRODUCT SYNONYMS

AAK1; Polyclonal Antibody; AAK1 Antibody; AP2-associated protein kinase 1; Adaptor-associated kinase 1; KIAA1048; anti-AAK1 antibody

PRODUCT SPECIFICATIONS

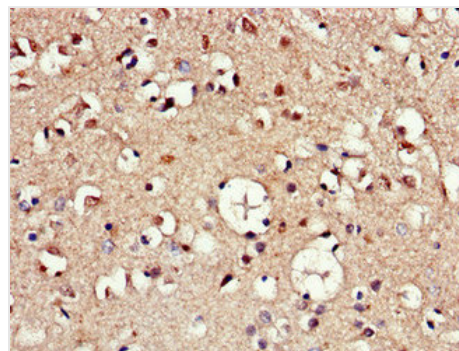
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	961
Applicable Applications for anti-AAK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human AP2-associated protein kinase 1 protein (274-465AA)
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-130105 / sc-134662
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	AAK1
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



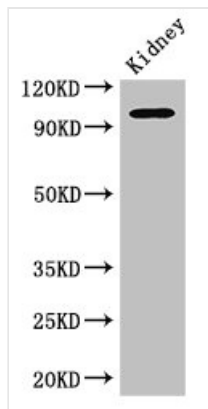
IHC (Immunohistochemistry)

Immunofluorescent analysis of HepG2 cells using AAA232883 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA232883 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: Mouse kidney tissue All lanes: AAK1 antibody at 2.5ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 104,94 kDa Observed band size: 104 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AAK1 antibody

Regulates clathrin-mediated endocytosis by phosphorylating the AP2M1/mu2 subunit of the adaptor protein complex 2 (AP-2) which ensures high affinity binding of AP-2 to cargo membrane proteins during the initial stages of endocytosis. Isoform 1 and isoform 2 display similar levels of kinase activity towards AP2M1. Regulates phosphorylation of other AP-2 subunits as well as AP-2 localization and AP-2-mediated internalization of ligand complexes. Phosphorylates NUMB and regulates its cellular localization, promoting NUMB localization to endosomes. Binds to and stabilizes the activated form of NOTCH1, increases its localization in endosomes and regulates its transcriptional activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148277037
NCBI GeneID	22848
NCBI Accession #	NP_055726.3
NCBI GenBank Nucleotide #	NM_014911.3
UniProt Accession #	Q2M2I8; Q4ZFZ3; Q53RX6; Q9UPV4
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/aak1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/232883>