

Rabbit anti-Human, Mouse ACK1 Polyclonal Antibody | anti-ACK1 antibody

ACK1 (Ab-284) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303072	Rabbit	Human, Mouse	Western Blot

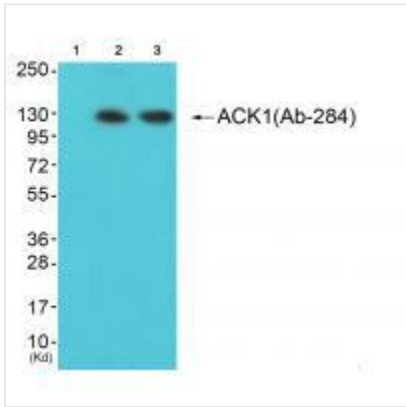
PRODUCT SYNONYMS

ACK1; Polyclonal Antibody; ACK1 (Ab-284) Antibody; Activated CDC42 kinase 1; ACK-1; EC=2.7.10.2; EC=2.7.11.1; Tyrosine kinase non-receptor protein 2; anti-ACK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total ACK1protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1086
Applicable Applications for anti-ACK1 antibody	WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human ACK1.
Target Name	ACK1
Preparation and Storage	Store at -20°C.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from 293 cells (Lane 2) and K562 cells (Lane 3), using ACK1 (Ab-284) antibody (AAA303072). The lane on the left is treated with synthesized peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ACK1 antibody	Non-receptor tyrosine-protein and serine/threonine-protein kinase that is implicated in cell spreading and migration, cell survival, cell growth and proliferation. Transduces extracellular signals to cytosolic and nuclear effectors. Phosphorylates AKT1, AR, MCF2, WASL and WWOX. Implicated in trafficking and clathrin-mediated endocytosis through binding to epidermal growth factor receptor (EGFR) and clathrin. Binds to both poly- and mono-ubiquitin and regulates ligand-induced degradation of EGFR, thereby contributing to the accumulation of EGFR at the limiting membrane of early endosomes. Downstream effector of CDC42 which mediates CDC42-dependent cell migration via phosphorylation of BCAR1. May be involved both in adult synaptic function and plasticity and in brain development. Activates AKT1 by phosphorylating it on 'Tyr-176'. Phosphorylates AR on 'Tyr-267' and 'Tyr-363' thereby promoting its recruitment to androgen-responsive enhancers (AREs). Phosphorylates WWOX on 'Tyr-287'. Phosphorylates MCF2, thereby enhancing its activity as a guanine nucleotide exchange factor (GEF) toward Rho family proteins. Contributes to the control of AXL receptor levels. Confers metastatic properties on cancer cells and promotes tumor growth by negatively regulating tumor suppressor such as WWOX and positively regulating pro-survival factors such as AKT1 and AR.Manser E., Nature 363:364-367(1993) [PubMed: 8497321].Ota T.,Nat. Genet. 36:40-45(2004) [PubMed: 14702039].Muzny D.M., Nature 440:1194-1198(2006) [PubMed: 16641997].
Product Categories/Family for anti-ACK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	58331191
NCBI GeneID	10188
NCBI Accession #	NP_001010938.1
NCBI GenBank Nucleotide #	NM_001010938.1
UniProt Accession #	Q07912; Q6ZMQ0; Q8N6U7; Q96H59
Molecular Weight	SDS-PAGE 115kd
NCBI Official Full Name	activated CDC42 kinase 1 isoform 2
NCBI Official Synonym Full Names	tyrosine kinase, non-receptor, 2
NCBI Official Symbol	TNK2
NCBI Official Synonym Symbols	ACK; ACK1; ACK-1; p21cdc42Hs
NCBI Protein Information	activated CDC42 kinase 1
UniProt Protein Name	Activated CDC42 kinase 1

UniProt Gene Name	TNK2
UniProt Synonym Gene Names	ACK1; ACK-1
UniProt Entry Name	ACK1_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/ack1-antibody-western-blot-elisa/303072>