

ACK1 (Phospho-Tyr284) Antibody

Catalog No: #11671

Package Size: #11671-1 50ul #11671-2 100ul

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Description

Product Name	ACK1 (Phospho-Tyr284) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of ACK1 only when phosphorylated at tyrosine 284.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 284 (D-H-Y(p)-V-M) derived from Human ACK1.
Target Name	ACK1
Modification	Phospho
Other Names	ACK1; Activated p21cdc42Hs kinase; EC 2.7.10.2; kinase ACK1;
Accession No.	Swiss-Prot#: Q07912; NCBI Gene#: 10188; NCBI Protein#: NP_005772.3.
Uniprot	Q07912
GeneID	10188;
SDS-PAGE MW	120kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

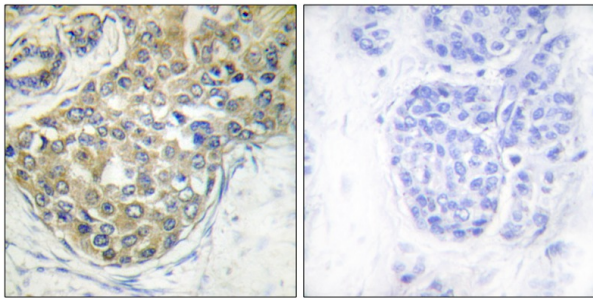
Images

ACK1 --
(pTyr284)

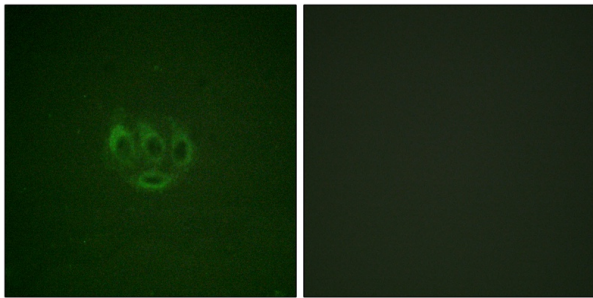
-- 117
-- 85

-- 48
-- 34
-- 26
-- 19
(kD)

Western blot analysis of extracts from HepG2 cells treated with EGF using ACK1 (Phospho-Tyr284) Antibody #11671. The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ACK1 (Phospho-Tyr284) antibody #11671 (left) or the same antibody preincubated with blocking peptide (right).



Immunofluorescence staining of methanol-fixed A549 cells using ACK1 (Phospho-Tyr284) Antibody #11671.

Background

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.

Manser E., Nature 363:364-367(1993).

Ota T., Nat. Genet. 36:40-45(2004).

Eisenmann K.M., Nat. Cell Biol. 1:507-513(1999)

Note: This product is for in vitro research use only