

## Product datasheet for **AP55705PU-S**

### **ACK1 (TNK2) pTyr284 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, IHC, WB
<b>Recommended Dilution:</b>	Western blot: 1:500~1:1000. Immunohistochemistry on paraffin sections: 1:50~1:100. Immunofluorescence: 1:100~1:200.
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Peptide sequence around phosphorylation site of tyrosine 284 (D-H-Y(p)-V-M) derived from Human ACK1 (KLH-conjugated)
<b>Specificity:</b>	The antibody detects endogenous levels of ACK1 only when phosphorylated at tyrosine 284.
<b>Formulation:</b>	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity chromatography using epitope-specific peptide
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	120 kDa
<b>Gene Name:</b>	tyrosine kinase non receptor 2
<b>Database Link:</b>	<a href="#">Entrez Gene 10188 Human Q07912</a>



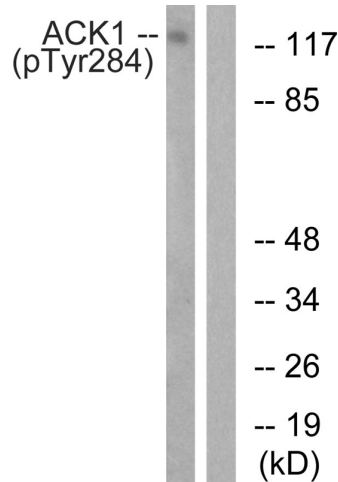
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**Background:**

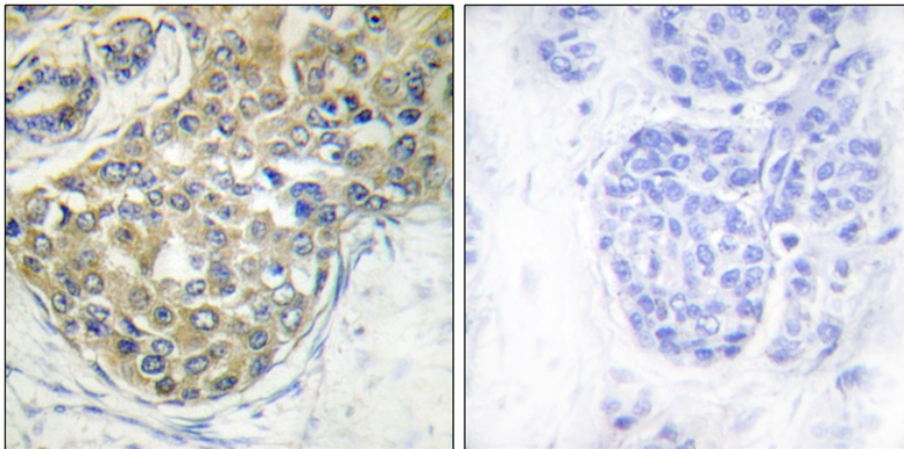
Non-receptor tyrosine-protein and serine/threonine-protein kinase that is implicated in cell spreading and migration, cell survival, cell growth and proliferation. Transduces extracellular signals to cytosolic and nuclear effectors. Phosphorylates AKT1, AR, MCF2, WASL and WWOX. Implicated in trafficking 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.

**Synonyms:**

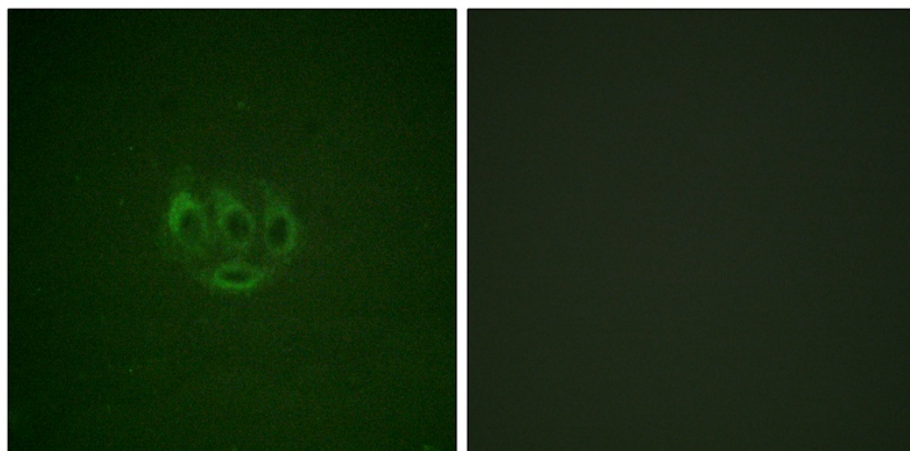
ACK; ACK-1; ACK1; FLJ44758; FLJ45547; p21cdc42Hs

**Product images:**


Western blot analysis of extracts from HepG2 cells treated with EGF using ACK1 (Phospho-Tyr284) Antibody. 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 (left) or the same antibody preincubated with blocking peptide (right).



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