

## Product datasheet for **TA322554**

### ACK1 (TNK2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: 231 cells IHC: 50-200 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide peptide corresponding to a region derived from 870-884 amino acids of human tyrosine kinase, non-receptor, 2
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	119 kDa
Gene Name:	tyrosine kinase non receptor 2
Database Link:	<a href="#">NP_005772</a> <a href="#">Entrez Gene 51789 Mouse</a> <a href="#">Entrez Gene 303882 Rat</a> <a href="#">Entrez Gene 10188 Human</a> <a href="#">Q07912</a>



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**Background:**

This gene encodes a tyrosine kinase that binds Cdc42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of Cdc42Hs. This binding is mediated by a unique sequence of 47 amino acids C-terminal to an SH3 domain. The protein may be involved in a regulatory mechanism that sustains the GTP-bound active form of Cdc42Hs and which is directly linked to a tyrosine phosphorylation signal transduction pathway. Several alternatively spliced transcript variants have been identified from this gene; but the full-length nature of only two transcript variants has been determined.

**Synonyms:**

ACK; ACK-1; ACK1; p21cdc42Hs

**Protein Families:**

Druggable Genome, Protein Kinase

**Product images:**

Gel: 8%SDS-PAGE

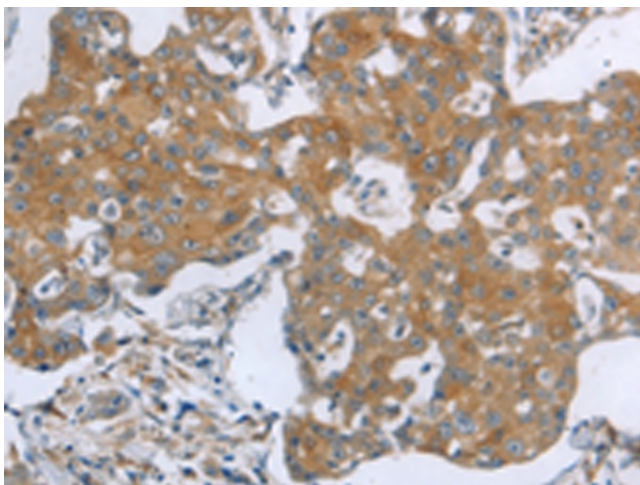
Lysate: 40 µg

Lane: 231 cells

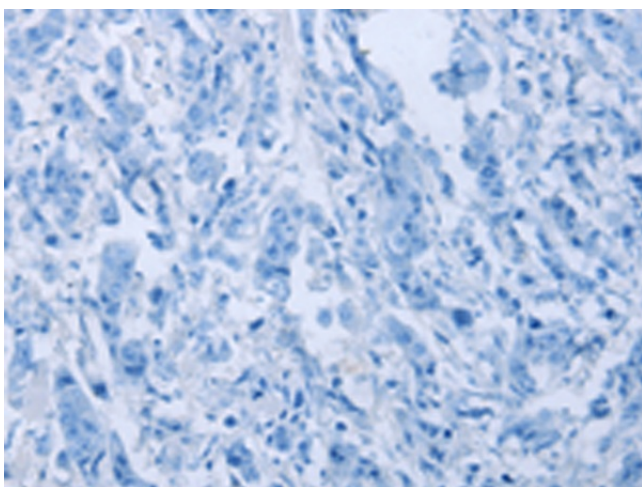
Primary antibody: TA322554 (TNK2 Antibody) at dilution 1/1800

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

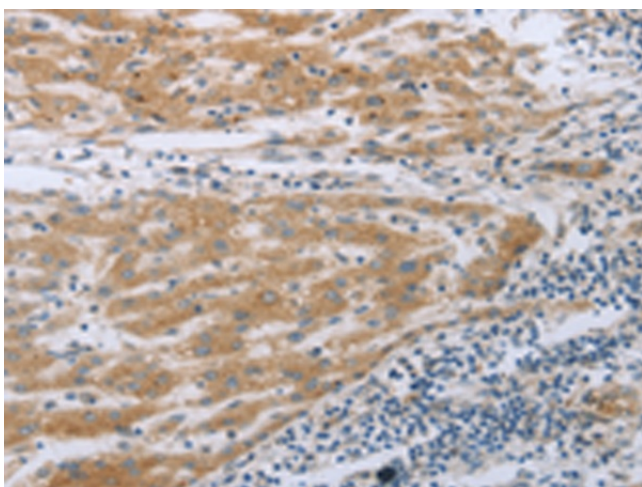
Exposure time: 2 minutes



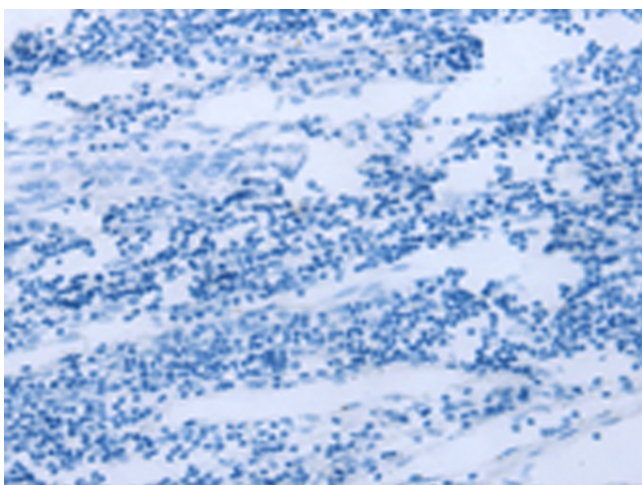
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322554 (TNK2 Antibody) at dilution 1/70 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322554 (TNK2 Antibody) at dilution 1/70, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322554 (TNK2 Antibody) at dilution 1/70 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA322554 (TNK2 Antibody) at dilution 1/70, treated with synthetic peptide. (Original magnification: ×200)