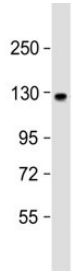
# ACK1 Antibody / Activated CDC42 kinase 1 (F50698)

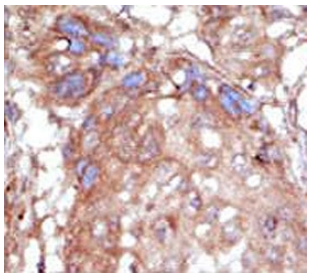
| Catalog No. | Formulation | Size |
|---|---|---|
| F50698-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F50698-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Predicted Reactivity** | Bovine |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Purified |
| **UniProt** | Q07912 |
| **Localization** | Cytoplasmic |
| **Applications** | Western Blot : 1:500-1000<br>IHC (Paraffin) : 1:50-1:100 |
| **Limitations** | This ACK1 antibody is available for research use only. |




Western blot testing of human brain lysate with ACK1 antibody at 1:1000. Predicted molecular weight ~114 kDa.



IHC analysis of FFPE human hepatocarcinoma tissue stained with the ACK1 antibody

## Description

Activated CDC42 kinase 1 is 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.

## Application Notes

Titration of the ACK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 934-964 from the human protein was used as the immunogen for this ACK1 antibody.

## Storage

Aliquot the ACK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.



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