

AP17080PU-N**Polyclonal Antibody to TNK2 / ACK1 (N-term)****Alternate names:**

Activated CDC42 kinase 1

Quantity:

0.4 ml

Concentration:

lot specific

Background:

ACK1 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.

Uniprot ID:[Q07912](#)**NCBI:**[NP_001010938](#)**GeneID:**[10188](#)**Host:**

Rabbit

Immunogen:

KLH conjugated synthetic peptide selected from the N-terminal region of human ACK1

Format:**State:** Liquid Ig fraction**Purification:** Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS**Buffer System:** PBS with 0.09% (W/V) sodium azide**Applications:**

Western blot: 1:50 - 1:100.

ELISA: 1:1,000.

Immunohistochemistry on frozen sections.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody detects TNK2 / ACK1 at N-term.

Species Reactivity:**Tested:** Human**Add. Information:**

Molecular weight: 114327 Da

Storage:

Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Yokoyama, N., et al., J. Biol. Chem. 278(48):47713-47723 (2003).

2. Manser, E., et al., Nature 363(6427):364-367 (1993).

Pictures:

Western blot analysis of ACK1 (arrow) using rabbit polyclonal ACK1 Antibody (N-term) (AP17080PU-N). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ACK1 gene (Lane 2) (60 KD recombinant protein).

