

AP17079PU-N**Polyclonal Antibody to TNK2 / ACK1 (Center)**

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 Center 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:	ELISA: 1:1,000. Western blot: 1:50 - 1:100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects TNK2 / ACK1 at Center.
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 (Center) (AP17079PU-N). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ACK1 gene (Lane 2) (60 KD recombinant protein).

