

Product datasheet for **TA306854**

PLEKHO1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CKIP1 antibody was raised against an 18 amino acid peptide from near the carboxy terminus of human CKIP1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	pleckstrin homology domain containing O1
Database Link:	NP_057358 Entrez Gene 67220 Mouse Entrez Gene 310674 Rat Entrez Gene 51177 Human Q53GL0



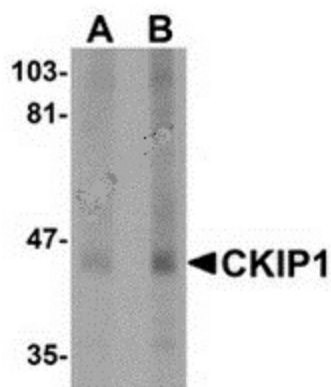
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Background:

CKIP1 was identified through a yeast-two hybrid screening as a protein that would interact with only one of the two catalytic subunits of the casein kinase 2 complex. CKIP1 is a pleckstrin homology domain-containing protein localized within the nucleus and at the plasma membrane that interacts with CK2alpha but not CK2alpha', and is thought to play a role in targeting CK2alpha to a particular cellular location. CKIP1 has been implicated in muscle differentiation and the regulation of cell morphology and actin cytoskeleton. CKIP1 can also interact with other proteins such as ATM, an upstream kinase of p53, and recruit the nuclear ATM to the plasma membrane, suggesting CKIP1 may regulate ATM function through re-localizing ATM. CKIP1 can also form a complex with the kinase AKT, leading to a down-regulation of PI3K/AKT signaling and suppression of tumor growth in vivo.

Synonyms:

CKIP-1; CKIP1; JBP; OC120

Product images:

Western blot analysis of CKIP1 in human lung tissue lysate with CKIP1 antibody at (A) 1 and (B) 2 ug/ml.