

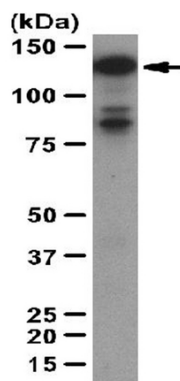
Polyclonal Antibody to TKS4 (431-595) - Purified

Alternate names:	SH3 and PX domain-containing protein 2B, SH3PXD2B, Tyrosine kinase substrate with four SH3 domains
Catalog No.:	AP56026PU-N
Quantity:	0.1 mg
Concentration:	lot-specific
Background:	Tks4 (gene symbol SH3PXD2B) is a novel adaptor protein; also known as SH3 and PX domain-containing protein 2B, (Courtneidge, 2005). It is closely related to Tks5 (gene symbol SH3PXD2A) and like Tks5, appears to play a role in the formation and function of podosome/invadopodia based on studies of Src-transformed fibroblasts (Buschman, 2009). Additionally, Tks4 may be involved in the recruitment of MT1-MMP and ECM degradation. Tks4 is broadly expressed and localizes in the cytoplasm of the podosome.
Uniprot ID:	A1X283
NCBI:	NP_001017995.1
GeneID:	285590
Host:	Rabbit
Immunogen:	Recombinant protein containing amino acids 431-595 of human Tks4.
Format:	State: Liquid purified Ig fraction Purification: Protein A Chromatography Buffer System: 0.1M Tris-Glycine, pH 7.4, 150 mM NaCl with 0.05% NaN ₃ .
Applications:	Immunoprecipitation. Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes human Tks4. Human and mouse (76% homology). Predicted to cross react with rat (77% homology). Reactivity with other species has not been tested.
Storage:	Store undiluted at 2-8°C. Shelf life: one year from despatch.

Pictures:

Western Blot Analysis:
Representative lot data.

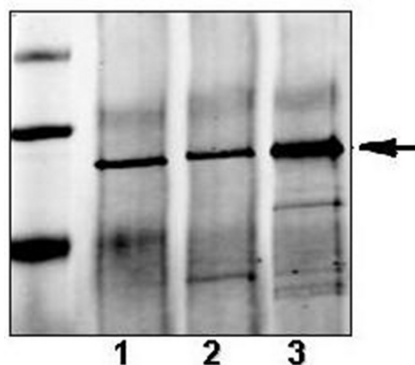
10 µg of Anti-human Tks4 was used to immunoprecipitate from 500 µg of NIH3T3 whole cell lysate. The antibody was collected with Protein A beads and eluted with sample buffer. 50 µg of NIH3T3 IP cell lysate was then resolved via SDS-PAGE, transferred to PVDF and probed with 3 µg/mL of the same Anti-Tks4 polyclonal antibody. Proteins were visualized using an anti-rabbit secondary antibody conjugated to HRP that does not recognize denatured IgG. Detection using a chemiluminescence system.



Arrow indicates Tks4 (~ 130 kDa).

Western blot:

1 µg/mL of Anti-human Tks4 was used to immunoprecipitate 3T3 cell lysate (1), 3T3-Src (Y527F) transformed cell lysate (2), and human DLD1 cell lysate (3). The IP cell lysates were then resolved via SDS-PAGE, transferred to PVDF and probed with 1 µg/mL of the same Anti-Tks4 polyclonal antibody. Proteins were visualized using an anti-rabbit secondary antibody conjugated to HRP that does not recognize denatured IgG. Detection using a chemiluminescence system.



Arrow indicates Tks4 (~ 130 kDa).