

Datasheet for ABIN5688917

anti-TAO Kinase 2 antibody (pSer181)



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Overview

Quantity:	0.1 mL
Target:	TAO Kinase 2 (TAOK2)
Binding Specificity:	pSer181
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	TAO2 (Ser181) polyclonal antibody was raised against a synthetic phosphopeptide corresponding to amino acids residues surrounding the phospho Ser181 of TAO2.
Specificity:	TAO2 antibody is specific for Mr ~120k TAO2 phosphorylated at Ser181.
Purification:	Affinity Purified

Target Details

Target:	TAO Kinase 2 (TAOK2)
Alternative Name:	TAO2 (TAOK2 Products)
Background:	TAO (thousand and one amino acid) protein kinases mediate signaling from carbachol to p38 MAPK and ternary complex transcription factors. This has led to the proposal that the TAO protein kinases play an essential role in signaling from physiological agonists to the stress-responsive p38 MAPKs. Autophosphorylation of TAO may play a role in the mechanism of TAO

Target Details

	activation. The MEK binding domain of TAO is autophosphorylated on both serine and threonine residues and Ser181 is located within this domain.
Molecular Weight:	120 kDa
Gene ID:	9344
UniProt:	Q9UL54
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	Human, mouse, rat and Xenopus have 100 % amino acid sequence identity with the antigen used to raise the antibody. Applications include Dot Blots (DB) and Western Blots (WB). Suitability for Immunohistochemistry (IHC) has not been determined. When internally tested under ideal conditions the working dilutions were 1:1000 for DB and WB.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 µLin 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50 % glycerol.
Storage:	-20 °C
Storage Comment:	For long term storage -80°C is recommended, but shorter term storage at -20°C is also acceptable as aliquots may be taken without freeze/thawing due to the presence of 50% glycerol. Stable for one year.