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Datasheet for ABIN7169188

anti-TAO Kinase 1 (TAOK1) (AA 400-659) antibody (Biotin)

Overview

Quantity:	100 µL
Target:	TAO Kinase 1 (TAOK1)
Binding Specificity:	AA 400-659
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Serine/threonine-protein kinase TAO1 protein (400-659AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TAO Kinase 1 (TAOK1)
Alternative Name:	TAOK1 (TAOK1 Products)
Background:	Background: Serine/threonine-protein kinase involved in various processes such as p38/MAPK14 stress-activated MAPK cascade, DNA damage response and regulation of

Target Details

cytoskeleton stability. Phosphorylates MAP2K3, MAP2K6 and MARK2. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade by mediating phosphorylation and subsequent activation of the upstream MAP2K3 and MAP2K6 kinases. Involved in G-protein coupled receptor signaling to p38/MAPK14. In response to DNA damage, involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of MAP2K3 and MAP2K6. Acts as a regulator of cytoskeleton stability by phosphorylating 'Thr-208' of MARK2, leading to activate MARK2 kinase activity and subsequent phosphorylation and detachment of MAPT/TAU from microtubules. Also acts as a regulator of apoptosis: regulates apoptotic morphological changes, including cell contraction, membrane blebbing and apoptotic bodies formation via activation of the MAPK8/JNK cascade.

Aliases: 2810468K05Rik antibody, AU020252 antibody, D130018F14Rik antibody, EC 2.7.11.1 antibody, FLJ14314 antibody, hKFC B antibody, hKFC-B antibody, KIAA1361 antibody, Kinase from chicken homolog B antibody, MAP3K16 antibody, MARK kinase antibody, MARKK antibody, MGC29021 antibody, Microtubule affinity regulating kinase kinase antibody, mKIAA1361 antibody, Prostate-derived sterile 20-like kinase 2 antibody, PSK2 antibody, Serine/threonine kinase TAO1 antibody, Serine/threonine protein kinase TAO1 antibody, Serine/threonine protein kinase TAO1 homolog antibody, Serine/threonine-protein kinase TAO1 antibody, STE20 like kinase antibody, STE20 like kinase PSK2 antibody, STE20-like kinase PSK2 antibody, TAO kinase 1 antibody, Taok1 antibody, TAOK1_HUMAN antibody, Thousand and one amino acid protein 1 antibody

UniProt: [Q7L7X3](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

Handling

handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.