

Rabbit TAOK1 / TAO1 Polyclonal Antibody | anti-TAOK1 antibody

Rabbit Polyclonal to Human TAOK1 / TAO1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51347	Rabbit	Gibbon, Gorilla, Human, Monkey Predicted Reactivity: Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Pig, Rabbit, Chicken, Xenopus (at least 90% immunogen sequence identity)	Immunohistochemistry

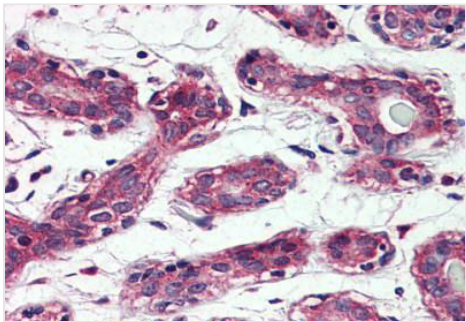
PRODUCT SYNONYMS

TAOK1 / TAO1; Polyclonal Antibody; Rabbit Polyclonal to Human TAOK1 / TAO1; Anti-TAOK1 / TAO1 Antibody (Internal) IHC-plus; TAOK1; MAP3K16; MARK Kinase; HKFC-B; KFC-B; TAO kinase 1; TAO1; MARKK; PSK2; HTAOK1; KIAA1361; Kinase from chicken homolog B; PSK-2; Rat TAO1; STE20-like kinase PSK2; Sulu3; Human TAOK1; anti-TAOK1 antibody

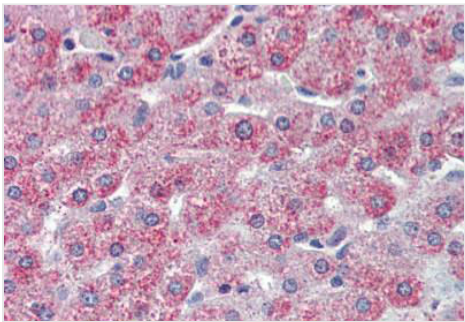
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Gorilla, Human, Monkey Predicted Reactivity: Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Pig, Rabbit, Chicken, Xenopus (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human TAOK1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1001
Applicable Applications for anti-TAOK1 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 15 amino acid peptide from internal region of human TAOK1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%); Mouse, Rat, Hamster, Elephant, Panda, Bovine, Dog, Bat, Horse, Rabbit, Pig.
Immunogen Type	Synthetic peptide
Immunogen	TAOK1 / TAO1 antibody was raised against synthetic 15 amino acid peptide from internal region of human TAOK1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%); Mouse, Rat, Hamster, Elephant, Panda, Bovine, Dog, Bat, Horse, Rabbit, Pig, Opossum, Turkey, Chicken, Platypus, Xenopus (93%).
Antigen Modification	Internal
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-TAOK1 antibody IHC of human breast. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-TAOK1 antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-TAOK1 antibody	TAOK1 is a TAO type protein kinase. TAOK1 enhances microtubule dynamics through the activation of MARK (microtubule affinity regulating kinase) that leads to phosphorylation and detachment of tau and other MAPs from microtubules causing destabilization. TAOK1 also interacts via downstream targets such as JNK and ROCK-1 to regulate apoptotic morphology associated with the execution phase of apoptosis, which involves reorganization of the actin cytoskeleton.
Product Categories/Family for anti-TAOK1 antibody	Family: Protein Kinase ; Subfamily: TAO

NCBI AND UNIPROT INFORMATION

NCBI GI #	45439370
NCBI GeneID	57551
NCBI Accession #	NP_065842.1
NCBI GenBank Nucleotide #	NM_020791.2
UniProt Accession #	Q7L7X3 ; Q96L75 ; Q9H2K7 ; Q9H7S5 ; Q9P2I6 ; A2RUT8 ; B7ZLV6
Molecular Weight	97,526 Da
NCBI Official Full Name	serine/threonine-protein kinase TAO1 isoform 1
NCBI Official Synonym Full Names	TAO kinase 1
NCBI Official Symbol	TAOK1
NCBI Official Synonym Symbols	PSK2; TAO1; KFC-B; MARKK; PSK-2; hKFC-B; hTAOK1; MAP3K16
NCBI Protein Information	serine/threonine-protein kinase TAO1; MARK Kinase; STE20-like kinase PSK2; kinase from chicken homolog B; prostate-derived STE20-like kinase 2; thousand and one amino acid protein 1; prostate-derived sterile 20-like kinase 2; serine/threonine protein kinase TAO1 homolog; thousand and one amino acid protein kinase 1; microtubule affinity regulating kinase kinase
UniProt Protein Name	Serine/threonine-protein kinase TAO1
UniProt Gene Name	TAOK1
UniProt Synonym Gene Names	KIAA1361; MAP3K16; MARKK; hKFC-B; MARKK; PSK-2; PSK2; Prostate-derived STE20-like kinase 2; TAOK1; hTAOK1
UniProt Entry Name	TAOK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/taok1-tao1-antibody-immunohistochemistry-elisa/51347>