

Human Serine/Threonine-Protein Kinase TAO1 (TAOK1) ELISA Kit | TAOK1 elisa kit

Human Serine/Threonine-Protein Kinase TAO1 (TAOK1) ELISA Kit

CATALOG #
AAA330682

REACTIVITY
Human

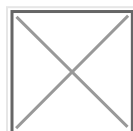
PRODUCT SYNONYMS

Serine/Threonine-Protein Kinase TAO1 (TAOK1); Human Serine/Threonine-Protein Kinase TAO1 (TAOK1) ELISA Kit; TAOK1; FLJ14314; KIAA1361; MAP3K16; MARKK; PSK2; TAO1; STE20-like kinase; microtubule affinity regulating kinase kinase; serine/threonine kinase TAO1; serine/threonine protein kinase TAO1 homolog; TAOK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Serine/threonine-protein kinase TAO1 (TAOK1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TAOK1. No significant cross-reactivity or interference between Human TAOK1 and analogues was observed.
Sequence Length	1001
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Serine/threonine-protein kinase TAO1 (TAOK1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAOK1 elisa kit	<p>Description: This Human Serine/threonine-protein kinase TAO1 (TAOK1) ELISA Kit employs a two-site sandwich ELISA to quantitate TAOK1 in samples. An antibody specific for TAOK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAOK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAOK1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TAOK1 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Serine/threonine-protein kinase TAO1 (TAOK1) is a serine/threonine-protein kinase involved in various processes such as p38/MAPK14 stress-activated MAPK cascade, DNA damage response and regulation of 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.</p>
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	45439370
NCBI GeneID	57551
NCBI Accession #	NP_065842.1
NCBI GenBank Nucleotide #	NP_065842.1
UniProt Accession #	Q7L7X3
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
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/human-elisa-kits/serine-threonine-protein-kinase-tao1-taok1/330682>