

TAOK1 Antibody

货号: **AYP6221**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC ELISA
推荐浓度	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200
理论分子量	46kDa/97kDa/116kDa
实测分子量	
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Jurkat,U-251MG,Mouse testis,Rat liver
细胞定位	cytoplasm,cytosol,extracellular exosome,microtubule cytoskeleton,perinuclear region of cytoplasm
纯化	Affinity purification

抗原信息

抗原信息	Synthesized peptide derived from Human TAOK1.
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靶点信息

研究背景	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.
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基因ID	57551
基因名	TAOK1
Swiss	Q7L7X3
别名	TAOK1;KFC-B;MAP3K16;MARKK;PSK-2;PSK2;TAO1;hKFC-B;hTAOK1

产品验证

实验步骤

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