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TAOK1 Rabbit mAb

货号: AYM30679

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB
推荐浓度	**WB:** 1:500 - 1:2000
理论分子量	46kDa/97kDa/116kDa
实测分子量	116kDa
形式	Liquid
保存条件	Store at -20℃. 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

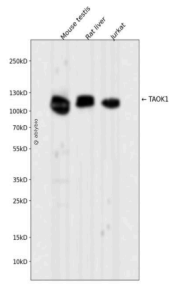
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human TAOK1.

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, MAP2K 6 and MARK2. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade by mediating phos phorylation and subsequent activation of the upstream MAP2K3 and MAP2K6 kinases. Involved in G-prote in coupled receptor signaling to p38/MAPK14. In response to DNA damage, involved in the G2/M transitio n DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by me diating phosphorylation of MAP2K3 and MAP2K6. Acts as a regulator of cytoskeleton stability by phosphor ylating 'Thr-208' of MARK2, leading to activate MARK2 kinase activity and subsequent phosphorylation an d 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 vi a activation of the MAPK8/JNK cascade.
基因ID	57551
基因名	TAOK1
Swiss	Q7L7X3 (https://www.uniprot.org/uniprotkb/Q7L7X3/entry)
别名	TAOK1,TAOK1 Rabbit mAb,Kinase from chicken homolog B,MARK Kinase,Prostate-derived sterile 20-like ki nase 2,Thousand and one amino acid protein kinase 1,KIAA1361,MAP3K16,MARKK

产品验证



Western blot analysis of TAOK1 expressed in Mouse testis,Rat liver,Jurkat using TAOK1 Rabbit mAb at 1:10 00. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Block ing buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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