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ERK1/2 Rabbit mAb

货号: AYM30438

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IP FC ICC/IF
推荐浓度	**WB:** 1:500 - 1:2000 **IF/ICC:** 1:50 - 1:200 **IP:** 1:20 - 1:50 **FC:** 1:20 - 1:50
理论分子量	42kDa/44kDa
实测分子量	42,44kDa
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	293T,NIH/3T3,C6
细胞定位	caveola,cytoplasm,cytoskeleton,cytosol,early endosome,endoplasmic reticulum lumen,focal adhesion,Golgi apparatus,late endosome,mitochondrion,nuclear envelope,nucleoplasm,nucleus,plasma membrane
纯化	Affinity purification

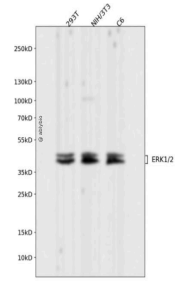
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human ERK1/2.

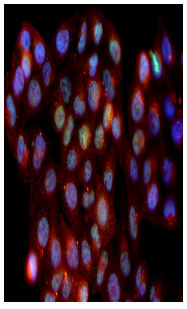
靶点信息

研究背景	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008]
基因ID	5595,5594
基因名	MAPK3,MAPK1
Swiss	P27361P28482 (https://www.uniprot.org/uniprotkb/P27361P28482/entry)
别名	ERK1/2,ERK 1,ERK,ERK-1,ERK1,ERT 2,ERT2,Extracellular Signal Regulated Kinase 1,Extracellular signal related kinase 1,Extracellular signal-regulated kinase 1,HGNC6877,HS44KDAP,HUMKER1A,Insulin Stimulated MAP2 Kinase,Insulin-stimulated MAP2 kinase,MAP kinase 1,MAP kinase 3,MAP Kinase,MAP kinase isoform p44,MAPK 1,MAPK 3,MAPK,MAPK1,Mapk3,Microtubule-associated protein 2 kinase,Mitogen Activated Protein Kinase 3,Mitogen-activated protein kinase 1,Mitogen-activated protein kinase 3,MK03_HUMAN,p44 ERK 1,p44 MAPK,p44-ERK1,p44-MAPK,P44ERK1,P44MAPK,PRKM 3,PRKM3,Protein Kinase Mitogen Activated 3,ERK 2,ERK-2,ERT1,Extracellular Signal Regulated Kinase 2,Extracellular signal-regulated kinase 2,MAP kinase 2,MAP kinase isoform p42,MAPK 2,MAPK2,Mitogen-activated protein kinase 2,MK01_HUMAN,p42-MAPK,P42MAPK,PRKM1,PRKM2,ERK1/2 Rabbit mAb

产品验证



Western blot analysis of ERK1/2 expressed in 293T,NIH/3T3,C6 using ERK1/2 Rabbit mAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab ERK1/2 and Rabbit actin for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat.The nuclear counter stain is DAPI(blue).

实验步骤

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