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# Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit pAb

货号: AYP10975

## 产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	<p><b>WB:</b> Mouse embryonal fibroblast cell , MDA-MB-231 , Raw264.7 , C6 , Mouse splenocytes , Mus musculus , Homo sapiens , Rattus norvegicus , Ctenopharyngodon idellus , Bos taurus , Capra hircus , Sus scrofa , Mycobacterium tuberculosis</p> <p><b>IP:</b> Homo sapiens</p> <p><b>IF:</b> Homo sapiens</p> <p><b>IHC:</b> Mus musculus</p>
应用	WB IF/ICC
推荐浓度	<p><b>WB:</b> 1:100 - 1:500</p> <p><b>IF/ICC:</b> 1:50 - 1:200</p>
理论分子量	36kDa/41kDa/38kDa/40kDa/43kDa
实测分子量	42KDa/44KDa
形式	Liquid
保存条件	<p>Store at -20°C. Avoid freeze / thaw cycles.</p> <p>Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.</p>
偶联物	Unconjugated
阳性对照	NIH/3T3
细胞定位	caveola,cytoplasm,cytoskeleton,cytosol,early endosome,endoplasmic reticulum lumen,extracellular region,focal adhesion,Golgi apparatus,late endosome,microtubule organizing center,mitochondrion,mitotic spindle,nucleoplasm,nucleus,plasma membrane
纯化	Affinity purification

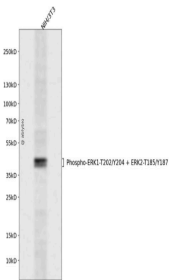
## 抗原信息

抗原信息	A synthetic phosphorylated peptide around T185 & Y187 of human ERK2MAPK1 (NP_002736.3).
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## 靶点信息

研究背景	This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene. [provided by RefSeq, Jan 2014]
基因ID	5594,5595
基因名	MAPK1,MAPK3
Swiss	P28482 ( <a href="https://www.uniprot.org/uniprotkb/P28482/entry">https://www.uniprot.org/uniprotkb/P28482/entry</a> ), P27361 ( <a href="https://www.uniprot.org/uniprotkb/P27361/entry">https://www.uniprot.org/uniprotkb/P27361/entry</a> )
别名	MAPK1/MAPK3,Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit pAb,MAPK1,MAPK3,ERT1,Extracellular signal-regulated kinase 2,MAP kinase isoform p42,Mitogen-activated protein kinase 2,ERT2,Extracellular signal-regulated kinase 1,Insulin-stimulated MAP2 kinase

## 产品验证



Western blot analysis of Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 expressed in NIH/3T3 using Phospho-ERK1-T202/Y204 + ERK2-T185/Y187 Rabbit pAb 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.

## 实验步骤

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