Data Sheet (Cat.No.TMAB-01406)

TargetMol

Anti-Phospho-ERK1 (Thr197, 202) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	(predicted:Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,GuineaPig)
Molecular Weight:	Theoretical: 41 kDa.
Purification:	Protein A purified

Applications

Application:	ELISA,IF,IHC-Fr,IHC-P,WB
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated Synthesised phosphopeptide: human ERK1 around the phosphorylation site of Thr197/Thr202
Antigen Species:	Human
Gene ID:	5594
Uniprot ID:	P27361
Synonyms:	Phospho-ERK1/2 (T197, 202);p44-ERK1;PRKM3;P44MAPK;ERK1;HS44KDAP;P44ERK1;p44-MAPK;ERK1/2 (p-Thr197, 202);ERK-1;p-ERK1/2 (Thr197, 202);Erk2;ERK1/2 (p-T197, 202);ERT2;p-ERK1/2 (T197, 202);HUMKER1A;ERK-2
Biology Area:	Tangles & Tau,MAPK Pathway,Cytoplasmic

Research Background

The protein encoded by this gene is a member of the MAPkinase family. MAP kinases, also known as extracellularsignal-regulated kinases (ERKs), act in a signaling cascade thatregulates various cellular processes such as proliferation,differentiation, and cell cycle progression in response to avariety of extracellular signals. This kinase is activated byupstream kinases, resulting in its translocation to the nucleuswhere it phosphorylates nuclear targets. Alternatively splicedtranscript variants encoding different protein isoforms have beendescribed. [provided by RefSeq, Jul 2008].

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