

Datasheet for ABIN6281341
anti-ERK1/2 antibody (pTyr204)



[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	AA 140-220, pTyr204
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Purpose:	ERK 1/2 is a protein encoded by the MAPK1 gene which is approximately 41,4 kDa. ERK 1/2 is localised to the cytoplasm and nucleus. It is involved in RET signalling, activated TLR4 signalling, IL-2 pathway, regulation of lipid metabolism and insulin signalling-generic cascades. This protein falls under the MAP kinase family. It is a serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. It also acts as an integration point for multiple biochemical signals, and is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. ERK 1/2 is expressed in the nervous system, blood, lung, liver and skin. Mutations in the MAPK1 gene may result in small intestine neuroendocrine neoplasm and pertussis. STJ90261 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous ERK 1/2 protein which
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Product Details

	only binds about Y204 when Y204 is phosphorylated.
Immunogen:	Synthesized peptide derived from human ERK 1/2 around the phosphorylation site of Y204.
Isotype:	IgG
Specificity:	Phospho-ERK 1/2 (Y204) Polyclonal Antibody detects endogenous levels of ERK 1/2 protein only when phosphorylated at Y204.
Characteristics:	Rabbit polyclonal to Phospho-ERK 1/2 (Y204).
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK 1/2 (MAPK1/3 Products)
Molecular Weight:	44/42 kDa
Gene ID:	5595
UniProt:	P27361

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:100-1:300 IF 1:200-1:1000 ELISA 1:10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C, and avoid repeat freeze-thaw cycles.