

Datasheet for ABIN127120

anti-ERK1/2 antibody (pThr202, pTyr204)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	pThr202, pTyr204
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

Product Details

Immunogen:	Synthetic phospho-peptide surrounding Thr202/Tyr204 of human P44MAP kinase
Purification:	Affinity Purified

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK1 / ERK2 (MAPK1/3 Products)
Background:	Both p44 and p42 MAP kinases (Erk1 and Erk2) function in a protein kinase cascade that plays a critical role in the regulation of cell growth and differentiation. Activation of MAP kinases occurs through phosphorylation of threonine and tyrosine (202 and 204 of human MAP kinase [Erk1] or 183 and 185 of rat Erk2) at the sequence T*EY* by a single upstream MAP kinase

Target Details

kinase (MEK). Both kinases are known to weakly autophosphorylate on tyrosine.Synonyms:
ERK-1/ERK-2, Extracellular signal regulated kinase 1/2, Insulin stimulated MAP2 kinase,
MAPK1/MAPK2, Microtubule associated protein 2 kinase, Mitogen activated protein kinase
1/2/3, P42/P44-MAPK

Application Details

Application Notes:	Western blotting (0.5-4 µg/mL). Immunoprecipitation (10-20 µg/mL). Immunohistochemistry (10-20 µg/mL). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS containing 50 % Glycerol, 1 % BSA as stabilizers and 0.02 % Thimerosal as preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.