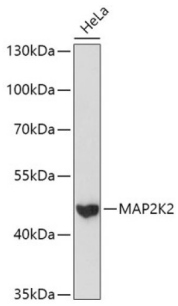
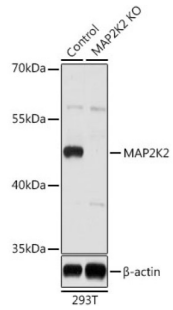
Mitogen-Activated Protein Kinase Kinase 2 (MAP2K2) Antibody

Catalogue No.:abx000638



Western blot analysis of extracts of HeLa cells using MAP2K2 Antibody (1/1000 dilution).



Western blot analysis of extracts from normal (control) and MAP2K2 knockout (KO) 293T cells using MAP2K2 Antibody (1/1000 dilution).

MAP2K2 Antibody is a Rabbit Polyclonal antibody against MAP2K2. The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene.

Target:	Mitogen-Activated Protein Kinase Kinase 2 (MAP2K2)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic peptide corresponding to human MAP2K2
Isotype:	IgG

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Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P36507 (UniProt, ExPASy)
Gene Symbol:	MAP2K2
GeneID:	5605
NCBI Accession:	NP_109587.1
KEGG:	hsa:5605
String:	9606.ENSP00000262948
Molecular Weight:	Calculated MW: 44 kDa Observed MW: 50 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	This product is for research use only.

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