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Product datasheet for TA302209S

MEK1 (MAP2K1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000, IHC: 1:10~50
Reactivity:	Human (Predicted: Mouse, Rat, Hamster, Rabbit)
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This MAP2K1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 270-299 amino acids from human MAP2K1.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43307 Da
Gene Name:	mitogen-activated protein kinase kinase 1
Database Link:	NP_002746 Entrez Gene 26395 MouseEntrez Gene 170851 RatEntrez Gene 5604 Human Q02750
Background:	MAP2K1 is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development.
Synonyms:	CFC3; MAPKK1; MEK1; MKK1; PRKMK1

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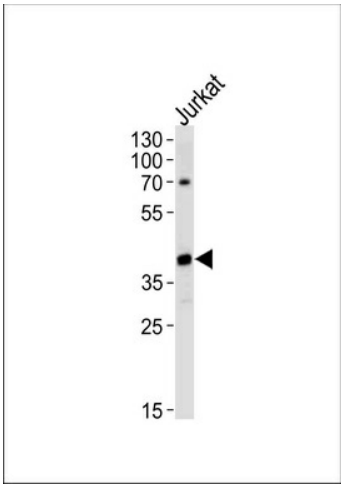
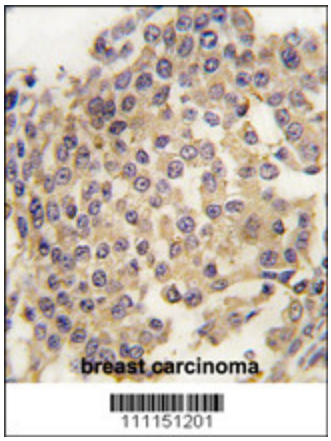
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Acute myeloid leukemia, B cell receptor signaling pathway, Bladder cancer, Chemokine signaling pathway, Chronic myeloid leukemia, Colorectal cancer, Dorso-ventral axis formation, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Gap junction, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Melanoma, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Oocyte meiosis, Pancreatic cancer, Pathways in cancer, Prion diseases, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway, Thyroid cancer, Toll-like receptor signaling pathway, Vascular smooth muscle contraction, VEGF signaling pathway

Product images:



MAP2K1 Antibody (pT291) (Cat.# [TA302209]) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the MAP2K1 antibody detected the MAP2K1 protein (arrow).



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MAP2K1 Antibody (T291) (Cat.#[TA302209]), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.