

Product datasheet for **TA325009**

MEK2 (MAP2K2) Rabbit Polyclonal Antibody

Product data:

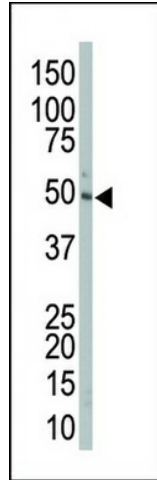
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	IF: 1:10~50, WB: 1:1000, IHC: 1:50~100
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This MEK2 (MAP2K2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 262-292 amino acids from the Central region of human MEK2 (MAP2K2).
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:	44424 Da
Gene Name:	mitogen-activated protein kinase kinase 2
Database Link:	NP_109587 Entrez Gene 26396 Mouse Entrez Gene 5605 Human P36507
Synonyms:	CFC4; MAPKK2; MEK2; MKK2; PRKMK2
Protein Families:	Druggable Genome, Protein Kinase



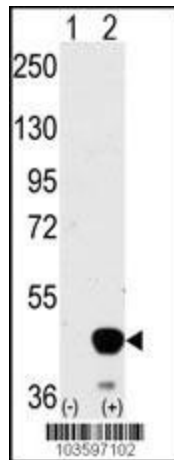
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Protein Pathways:

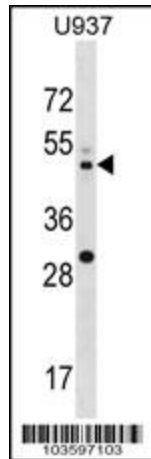
Acute myeloid leukemia, B cell receptor signaling pathway, Bladder cancer, Chronic myeloid leukemia, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Gap junction, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Melanoma, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pathways in cancer, Prion diseases, 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:


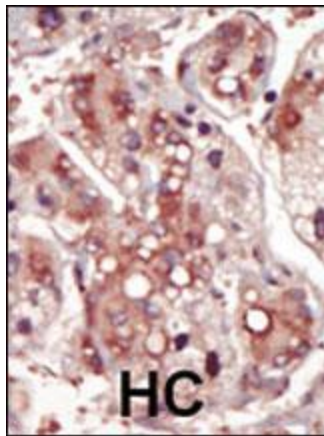
The anti-MAP2K2 Pab (Cat. #TA325009) is used in Western blot to detect MAP2K2 in mouse liver tissue lysate.



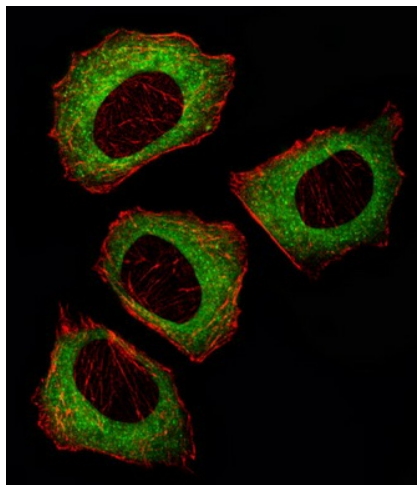
Western blot analysis of MAP2K2 (arrow) using MAP2K2 Antibody (Center) (Cat.#TA325009).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAP2K2 gene (Lane 2) (Origene Technologies).



MAP2K2 Antibody (A278) (Cat. #TA325009) western blot analysis in U937 cell line lysates (35ug/lane). This demonstrates the MAP2K2 antibody detected the MAP2K2 protein (arrow).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.



IF image of U251 cell stained with MEK2 (MAP2K2) Antibody (Center) (Cat#TA325009/SA110819AW). U251 cells were incubated with MEK2 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml). MEK2 immunoreactivity is localized to Cytoplasm significantly.