

## Product datasheet for **TA321906**

### MEK2 (MAP2K2) Rabbit Polyclonal Antibody

#### Product data:

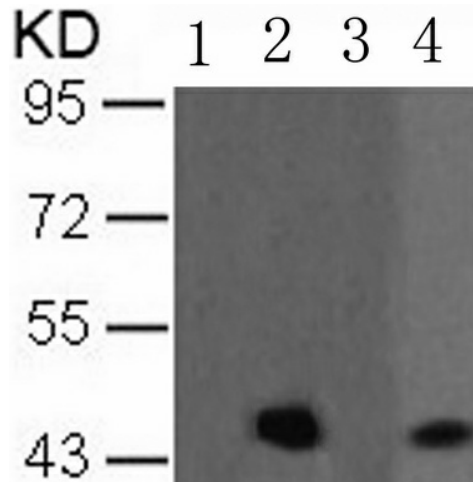
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:500-1000, IHC: 1:50-100, IF: 1:100-200
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of threonine 394 (P-G-T(p)-P-T) derived from Human MEK-2.
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	mitogen-activated protein kinase kinase 2
Database Link:	<a href="#">NP_109587</a> <a href="#">Entrez Gene 26396 Mouse</a> <a href="#">Entrez Gene 58960 Rat</a> <a href="#">Entrez Gene 5605 Human</a> <a href="#">P36507</a>
Background:	Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases.
Synonyms:	CFC4; MAPKK2; MEK2; MKK2; PRKMK2
Protein Families:	Druggable Genome, Protein Kinase



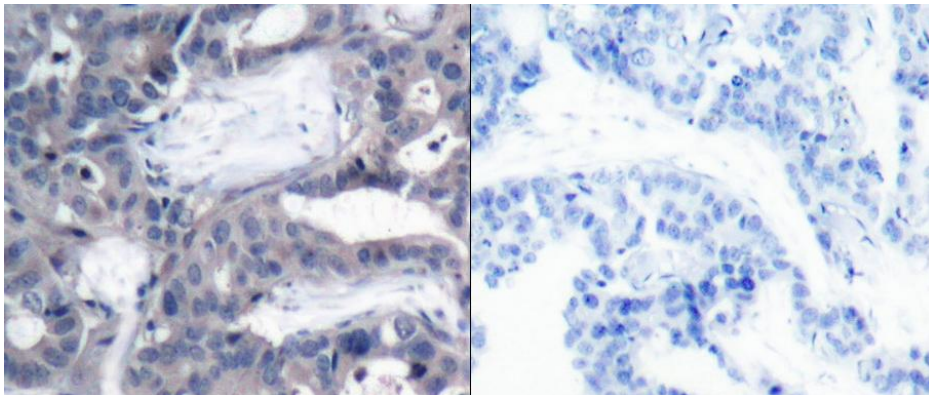
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**Protein Pathways:**

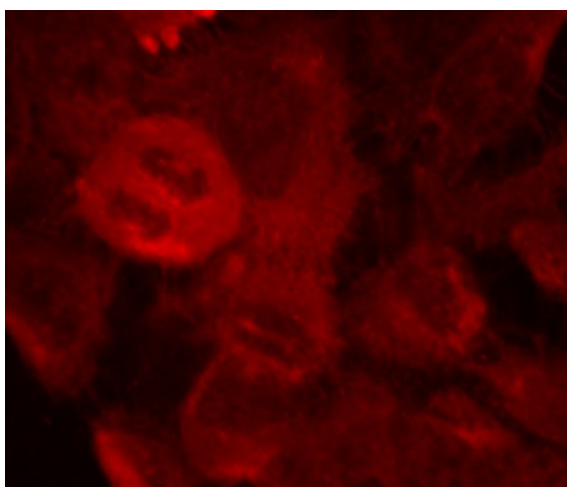
Acute myeloid leukemia, B cell receptor signaling pathway, Bladder cancer, Chronic myeloid leukemia, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Gap junction, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK 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:**


Predicted band size: 44 kDa. Positive control: HepG2 and HeLa cells untreated or treated with UV lysate. Recommended dilution: 1/ 500-1000. (Gel: 10%SDS-PAGE Lane 1: HepG2 cells untreated with UV lysate Lane 2: HepG2 cells treated with UV lysate Lane 3: HeLa cells untreated with UV lysate Lane 4: HeLa cells treated with UV lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm. Positive control: Human breast carcinoma tissue. Recommended dilution: 1/ 50-100 The image on the left is immunohistochemistry of paraffin-embedded human breast carcinoma tissue using MAP2K2 (Phospho-Thr394) antibody at dilution 1/50, on the right is treated with the synthetic peptide. (Original magnification: x200)



Predicted cell location: Cytoplasm. Positive control: HeLa cells. Recommended dilution: 1/100-200. The image is immunofluorescence of methanol-fixed HeLa cells using MAP2K2 (Phospho-Thr394) antibody at dilution 1/100. (Original magnification: x200)