

Product datasheet for TA303111

TAK1 (MAP3K7) Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

WB **Applications:**

Recommended Dilution: ELISA: 1:1,000. WB: 1-3µg/ml.

Human (Expected from sequence similarity: Mouse, Rat) Reactivity:

Host: Goat Isotype: lgG

Clonality: Polyclonal

Immunogen: Peptide with sequence C-AELDQDEKDQQNT, from the internal region of the protein sequence

according to NP 003179.1; NP 663304.1.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

Concentration: lot specific

Purification: Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

> chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize

freezing and thawing.

Conjugation: Unconjugated

Store at -20°C as received. Storage:

Stability: Stable for 12 months from date of receipt.

Gene Name: mitogen-activated protein kinase kinase kinase 7

Database Link: NP 003179

Entrez Gene 26409 MouseEntrez Gene 313121 RatEntrez Gene 6885 Human

O43318



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

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Background: The protein encoded by this gene is a member of the serine/threonine protein kinase family.

This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and

apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6,

MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript

variants encoding distinct isoforms have been reported. [provided by RefSeq]

Synonyms: MEKK7; TAK1; TGF1a

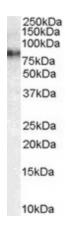
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Adherens junction, MAPK signaling pathway, NOD-like receptor signaling pathway, RIG-I-like

receptor signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling

pathway, Wnt signaling pathway

Product images:



TA303111 (1ug/ml) staining of HeLa cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.