

# Anti-MEK6 Antibody [PSH07-86] - BSA and Azide free

## HA751194



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	WB, IP
<b>Molecular Wt:</b>	Predicted band size: 37 kDa
<b>Clone number:</b>	PSH07-86

**Description:** Dual specificity mitogen-activated protein kinase kinase 6 also known as MAP kinase kinase 6 (MAPKK 6) or MAPK/ERK kinase 6 is an enzyme that in humans is encoded by the MAP2K6 gene, on chromosome 17. MAPKK 6 is a member of the dual specificity protein kinase family, which functions 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 phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this gene is involved in many cellular processes such as stress-induced cell cycle arrest, transcription activation and apoptosis.

**Immunogen:** Synthetic peptide within human MEK6 aa 1-50.

**Positive control:** HeLa cell lysate, A431 cell lysate, HepG2 cell lysate, HEK-293 cell lysate, NIH/3T3 cell lysate, Mouse skeletal muscle tissue lysate, Rat skeletal muscle tissue lysate.

**Subcellular location:** Nucleus, Cytoplasm, cytoskeleton.

**Database links:** SwissProt: P52564 Human | P70236 Mouse  
Entrez Gene: 114495 Rat

**Recommended Dilutions:**

<b>WB</b>	1:2,000
<b>IP</b>	1-2µg/sample

**Storage Buffer:** PBS (pH7.4).

**Storage Instruction:** Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

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Orders:0086-571-88062880

Technical:0086-571-89986345

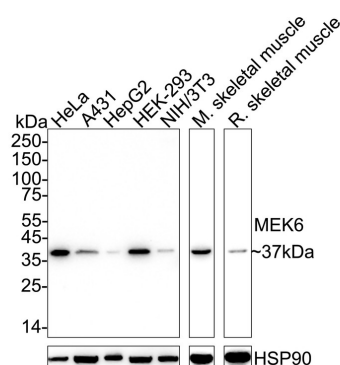
Service mail:support@huabio.cn

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Applications:WB=Western blot IHC=P=Immunohistochemistry (paraffin) IF=Cell=Immunofluorescence (Cell) IF=Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

## Images

**Fig1:** Western blot analysis of MEK6 on different lysates with Rabbit anti-MEK6 antibody (HA751194) at 1/2,000 dilution.



Lane 1: HeLa cell lysate (20 µg/Lane)  
 Lane 2: A431 cell lysate (20 µg/Lane)  
 Lane 3: HepG2 cell lysate (20 µg/Lane)  
 Lane 4: HEK-293 cell lysate (20 µg/Lane)  
 Lane 5: NIH/3T3 cell lysate (20 µg/Lane)  
 Lane 6: Mouse skeletal muscle tissue lysate (30 µg/Lane)  
 Lane 7: Rat skeletal muscle tissue lysate (30 µg/Lane)

Predicted band size: 37 kDa

Observed band size: 37 kDa

Exposure time: Lane 1-5: 2 minutes 7 seconds; Lane 6-7: 18 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA751194) at 1/2,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

### Background References

1. Lee S et al. MEK6 Overexpression Exacerbates Fat Accumulation and Inflammatory Cytokines in High-Fat Diet-Induced Obesity. *Int J Mol Sci*. 2021 Dec
2. Kang S et al. Beiging Modulates Inflammatory Adipogenesis in Salt-Treated and MEK6-Transfected Adipocytes. *Cells*. 2021 May

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