

MAPKAPK5 Rabbit pAb

CatalogNo: YT3848

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC

MW

- 60kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human MAPKAPK5. AA range:148-197

Specificity PRAK Polyclonal Antibody detects endogenous levels of PRAK protein.

Target Information

Gene name MAPKAPK5

Protein Name MAP kinase-activated protein kinase 5

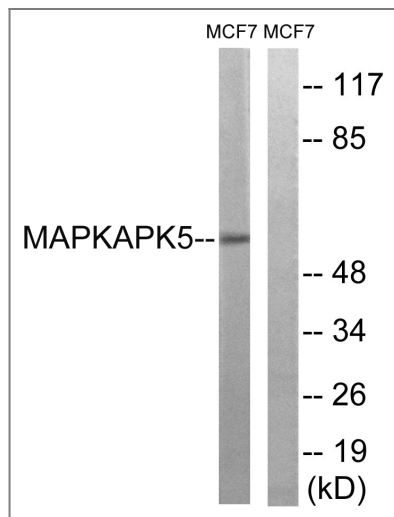
Organism	Gene ID	UniProt ID
Human	8550 ;	Q8IW41 ;
Mouse	17165 ;	O54992 ;

Cellular Localization Cytoplasm. Nucleus. Translocates to the cytoplasm following phosphorylation and activation. Interaction with ERK3/MAPK6 or ERK4/MAPK4 and phosphorylation at Thr-182 , activates the protein kinase activity , followed by translocation to the cytoplasm. Phosphorylation by PKA/PRKACA at Ser-115 also induces nuclear export.

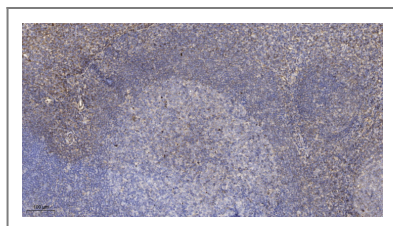
Tissue specificity Expressed ubiquitously.

Function Catalytic activity:ATP + a protein = ADP + a phosphoprotein. ,enzyme regulation:p38 alpha and beta-dependent phosphorylation increases its activity. Activated by stress-related extracellular stimuli; such as H₂O₂ , arsenite , anisomycin TNF alpha and also PMA and the calcium ionophore A23187; but to a lesser extent. In vitro , activated by SQSTM1. ,Function:Mediates stress-induced small heat shock protein 27 phosphorylation. ,PTM:Phosphorylated on Thr-182; which is the regulatory phosphorylation site and is located on the T-loop/loop 12. ,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. ,similarity:Contains 1 protein kinase domain. ,subcellular location:Also observed in the nucleus. ,subunit:Interacts with SQSTM1. ,tissue specificity:Expressed ubiquitously. ,

Validation Data



Western blot analysis of lysates from MCF-7 cells, using MAPKAPK5 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

| Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
to access additional
product information:
**MAPKAPK5 Rabbit
pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)