

# SIN1 (Phospho Thr86) Rabbit pAb

CatalogNo: YP1494

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse

### Applications

- WB, ELISA, IHC

### MW

- 58kD (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**

**ELISA 1:2000-20000**

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** Synthesized phospho peptide around human Sin1 (Thr86)

**Specificity** This antibody detects endogenous levels of Human Mouse Sin1 (phospho-Thr86)

## Target Information

**Gene name** MAPKAP1 MIP1 SIN1

**Protein Name** Target of rapamycin complex 2 subunit MAPKAP1

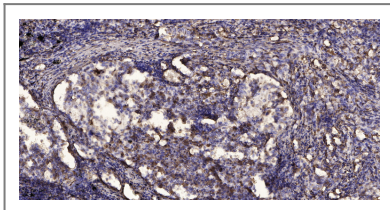
Organism	Gene ID	UniProt ID
Human	<a href="#">79109</a> ;	<a href="#">Q9BPZ7</a> ;
Mouse	<a href="#">227743</a> ;	<a href="#">Q8BKH7</a> ;
Rat	<a href="#">296648</a> ;	<a href="#">Q6AYF1</a> ;

**Cellular Localization** Cell membrane; Peripheral membrane protein. Cytoplasmic vesicle. Nucleus.

**Tissue specificity** Ubiquitously expressed, with highest levels in heart and skeletal muscle.

**Function** Function:Essential component of the TORC2 complex, which plays a critical role in AKT1 'Ser-473' phosphorylation, and may modulate the phosphorylation of PKCA and regulate actin cytoskeleton organization. Inhibits MAP3K2 by preventing its dimerization and autophosphorylation. Inhibits HRAS and KRAS signaling. Enhances osmotic stress-induced phosphorylation of ATF2 and ATF2-mediated transcription.,similarity:Belongs to the SIN1 family.,subunit:All isoforms except isoform 4 are able to be part of the target of rapamycin 2 complex (TORC2) comprised of FRAP1, LST8, PROTOR1, RICTOR and MAPKAP1. Interacts with ATF2, MAP3K2 and MAPK8. Interacts with GTP-bound HRAS and KRAS. Interacts with IFNAR2.,tissue specificity:Ubiquitously expressed, with highest levels in heart and skeletal muscle.,

## Validation Data



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 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

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