

# DUSP9 Rabbit Polyclonal Antibody



CAB3839

## Product Information

### Size:

20uL, 50uL, 100uL

### Observed MW:

41kDa

### Calculated MW:

41kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse

## Antibody Information

### Recommended dilutions:

WB 1:200 - 1:2000 IHC 1:20  
- 1:200 IF 1:20 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product shows selectivity for members of the ERK family of MAP kinases and is localized to the cytoplasm and nucleus. Aberrant expression of this gene is associated with type 2 diabetes and cancer progression in several cell types. Alternate splicing results in multiple transcript variants.

## Immunogen information

### Gene ID:

1852

### Uniprot

Q99956

### Synonyms:

DUSP9; MKP-4; MKP4

### Immunogen:

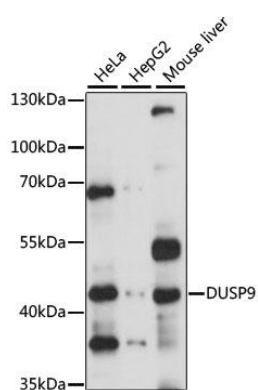
Recombinant protein of human DUSP9

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using DUSP9 antibody (CAB3839) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.