



## anti-DUSP6 Rabbit Polyclonal antibody

Catalog No.	EM11150-01	EM11150-02
Size	50µl	100µl

Species reactivity: **Human Mouse Rat**      Molecular Weight: 42KD

**Background:** MAP kinases are inactivated by dual-specificity protein phosphatases (DUSP) that differ in their substrate specificity, tissue distribution, inducibility by extracellular stimuli and cellular localization. DUSPs, also known as MAPK phosphatases (MKP), specifically dephosphorylate both threonine and tyrosine residues in MAPK P-loops and have been shown to play important roles in regulating the function of the MAPK family (1,2). At least 13 members of the family (DUSP1-10, DUSP14, DUSP16, and DUSP22) display unique substrate specificities for various MAP kinases (3). MAPK phosphatases typically contain an amino-terminal rhodanese-fold responsible for DUSP docking to MAPK family members and a carboxy-terminal catalytic domain (4). These phosphatases can play important roles in development, immune system function, stress responses and metabolic homeostasis (5), and also in the development of cancer and the response of cancer cells to chemotherapy (6). DUSP6 specifically dephosphorylates ERK MAP kinase (7).

**All Names:** DUSP6;MKP3;PYST1 ;

**Immunogen:** Recombinant protein of human DUSP6

**Purification:** Immunogen affinity purified

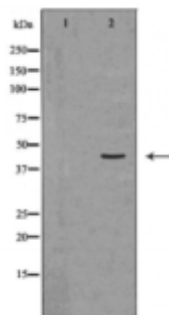
**Application:** WB 1:500-1:3000    IHC: 1:50-1:200

Optimal dilutions/concentrations should be determined by the end user.

**Form:** Liquid , 1mg/ml

**Storage buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 ° C. Stable for 12 months from date of receipt

**Storage:** Store at -20°C. Do not aliquot the antibody.



Western blot analysis of 3T3 cell lysate using DUSP6 antibody.