

# DUSP4 Rabbit Polyclonal Antibody

Catalog No: #54705

Package Size: #54705-1 50ul #54705-2 100ul

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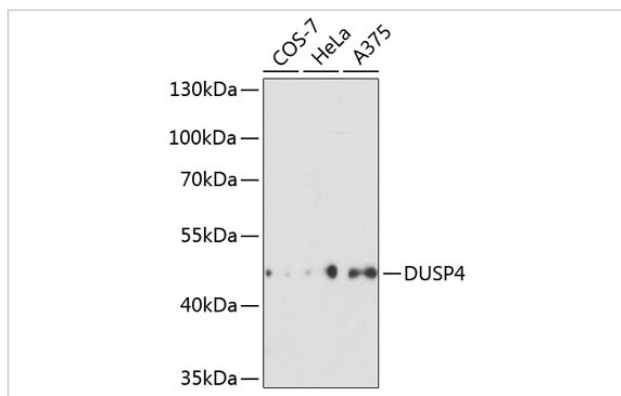
## Description

|                       |  |
|-----------------------|--|
| Product Name          | DUSP4 Rabbit Polyclonal Antibody                         |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Isotype               | IgG  |
| Purification          | Affinity purification                                    |
| Applications          | WB,IHC   |
| Species Reactivity    | Human  |
| Immunogen Description | Recombinant fusion protein of human DUSP4 (NP_001385.1). |
| Other Names           | DUSP4;H VH2;MKP-2;MKP2;TYP                               |
| Accession No.         | Swiss Prot:Q13115GeneID:1846                             |
| Calculated MW         | 32kDa/42kDa  |
| SDS-PAGE MW           | 47kDa  |
| Formulation           | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.  |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.              |

## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:100

## Images



Western blot analysis of extracts of various cell lines, using DUSP4 at 1:3000 dilution.

## 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 are 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 inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding

distinct isoforms, have been observed for this gene. In addition, multiple polyadenylation sites have been reported.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.