

Human VHR/DUSP3 antibody

Catalog Number: ATGA0374

PRODUCT INFORMATION

Catalog number

ATGA0374

Clone No.

AT9E6

Product type

Monoclonal Antibody

UnitProt No.

P51452

NCBI Accession No.

NP_004081

Alternative Names

Dual specificity protein phosphatase 3, VHR, Dual specificity protein phosphatase VHR, Vaccinia H1-related phosphatase, Vaccinia virus phosphatase VH1-related

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human DUSP3 (1-185aa) purified from E. coli

Isotype

IgG2b kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

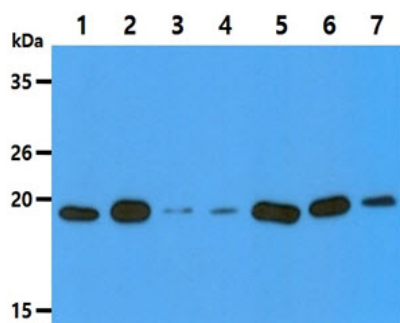
DUSP3, also known as Dual specificity protein phosphatase 3, is inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which 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.

General References

Sun H. (1998) Mol Biol. 84: 307-318.
Folander K., et al. (1995) Genomics. 23(1): 295-296.

DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human VHR antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: HeLa cell lysate
Lane 2.: HepG2 cell lysate
Lane 3.: Jurkat cell lysate
Lane 4.: MCF7 cell lysate
Lane 5.: 293T cell lysate
Lane 6.: U87MG cell lysate
Lane 7.: K562 cell lysate