

Product datasheet for **AM50634PU-S**

DUSP3 Mouse Monoclonal Antibody [Clone ID: AT9E6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT9E6
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution for Western blot analysis is 1:3000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human DUSP3 (1-185aa) purified from E. coli.
Formulation:	Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol. State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	dual specificity phosphatase 3
Database Link:	Entrez Gene 1845 Human P51452



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Background:

DUSP3, also known as Dual specificity protein phosphatase 3, is activate their target kises by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kise 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 kises, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli.

Synonyms:

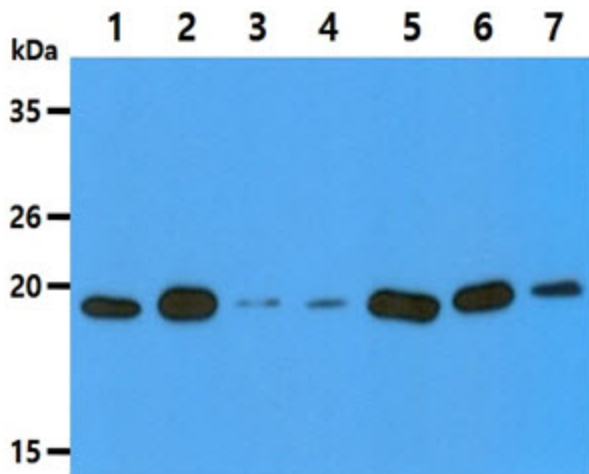
VHR

Protein Families:

Druggable Genome, Phosphatase

Protein Pathways:

MAPK signaling pathway

Product images:

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human DUSP3 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