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AM50634PU-N Monoclonal Antibody to DUSP3 - Purified

Alternate names:	Dual specificity protein phosphatase 3, Dual specificity protein phosphatase VHR, VHR, Vaccinia H1-related phosphatase
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
Background:	DUSP3, also known as Dual specificity protein phosphatase 3, is ictivate 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.
Uniprot ID:	P51452
NCBI:	NP_004081
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	AT9E6
Immunogen:	Recombinant human DUSP3 (1-185aa) purified from E. coli.
Format:	**State:** Liquid purified Ig fraction **Purification:** Protein-A affinity chromatography **Buffer System:** Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.
Applications:	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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	**Species:** Human. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Sun H. (1998) Mol Biol. 84: 307-318. Folander K., et al. (1995) Genomics. 23(1): 295-296.

Pictures:

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