

DUSP4 elisa kit

DUSP4 Colorimetric Cell-Based ELISA Kit

CATALOG # AAA315563	REACTIVITY Human, Mouse, Rat
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PRODUCT SYNONYMS

DUSP4; DUSP4 Colorimetric Cell-Based ELISA Kit; Dual specificity protein phosphatase 4; Mitogen-activated protein kinase phosphatase 2; MAP kinase phosphatase 2; MKP-2; Dual specificity protein phosphatase hVH2; MKP2; VH2; DUSP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	The Anti-DUSP4 Antibody is a rabbit polyclonal antibody. It was tested on Western Blots for specificity. The data in Figure 2 shows that a single protein band was detected. This protein band can be blocked by the synthesized immunogen peptide.
Form/Format	One 96-Well Plate
Sequence Length	394
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for DUSP4 elisa kit	Background: The Colorimetric Cell-Based ELISA Kit allows for the detection of various target proteins and the effects that certain stimulation conditions have on target protein expression in different cell lines. Qualitative determination of target protein concentration is achieved by an indirect ELISA format. In essence, the target protein is captured by target-specific primary (1 degree) antibodies while the HRP-conjugated secondary (2 degree) antibodies bind the Fc region of the 1 degree antibody. Through this binding, the HRP enzyme conjugated to the 2 degree antibody can catalyze a colorimetric reaction upon substrate addition. Due to the qualitative nature of the CellBased ELISA, multiple normalization methods are described: 1) a monoclonal antibody specific for human GAPDH is included to serve as an internal positive control in normalizing the target absorbance values. 2) Following the colorimetric measurement of HRP activity via substrate addition, the Crystal Violet whole-cell staining method is used to determine cell density. After staining, the results can be analyzed by normalizing the absorbance values to cell amounts, by which the plating difference can be adjusted. 3) If a phosphorylated target is being detected, an antibody against the non-phosphorylated counterpart will be provided for normalization purposes. The absorbance values obtained for the nonphosphorylated target can be used to normalize the absorbance values for the phosphorylated target.
Product Categories/Family for DUSP4 elisa kit	Cell Based ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503417
NCBI GeneID	1846
NCBI Accession #	NP_001385.1
NCBI GenBank Nucleotide #	NM_001394.6
UniProt Accession #	Q13115 ; Q13524 ; B2RBU5 ; D3DSU4 ; G5E930
Molecular Weight	42 kDa

NCBI Official Full Name	dual specificity protein phosphatase 4 isoform 1
NCBI Official Synonym Full Names	dual specificity phosphatase 4
NCBI Official Symbol	DUSP4
NCBI Official Synonym Symbols	TYP; HVH2; MKP2; MKP-2
NCBI Protein Information	dual specificity protein phosphatase 4
UniProt Protein Name	Dual specificity protein phosphatase 4
UniProt Gene Name	DUSP4
UniProt Synonym Gene Names	MKP2; VH2; MAP kinase phosphatase 2; MKP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-mouse-rat-elisa-kits/dusp4/315563>