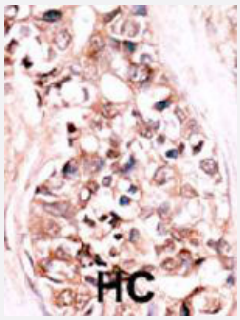
DUSP14 polyclonal antibody

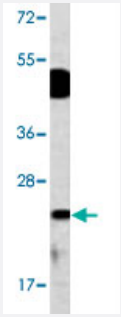
Catalog # PAB4142 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with DUSP14 polyclonal antibody (Cat # PAB4142) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blot (Tissue lysate)

Western blot analysis of mouse bladder tissue lysate (35 ug/lane) with DUSP14 polyclonal antibody (Cat # PAB4142).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DUSP14.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human DUSP14.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

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Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with DUSP14 polyclonal antibody (Cat # PAB4142) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.
  This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Tissue lysate)

  Western blot analysis of mouse bladder tissue lysate (35 ug/lane) with DUSP14 polyclonal antibody (Cat # PAB4142).

Gene Info — DUSP14

Entrez GeneID	11072
Protein Accession#	NP_008957;O95147
Gene Name	DUSP14
Gene Alias	MKP-L, MKP6
Gene Description	dual specificity phosphatase 14
Omim ID	606618
Gene Ontology	Hyperlink

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Gene Summary	In addition to antigen recognition by the T-cell receptor, T-cell activation requires a second signal from a costimulatory receptor, such as CD28 (MIM 186760), which interacts with B7-1 (CD80; MIM 112203) and B7-2 (CD86; MIM 601020) ligands on antigen-presenting cells. CD28 costimulation induces transcription of interleukin-2 (IL2; MIM 147680) and stabilizes newly synthesized IL2 through the activation of mitogen-activated protein kinases (MAPKs), such as ERK (e.g., MAP2K4; MIM 601335) and JNK (see MIM 601158), and the subsequent creation of AP1 transcription factor (see MIM 165160). DUSP14 is a negative regulator of CD28 signaling.[supplied by OMIM
Other Designations	MKP-1 like protein tyrosine phosphatase|OTTHUMP00000164064|OTTHUMP00000164065

Publication Reference

- Negative-feedback regulation of CD28 costimulation by a novel mitogen-activated protein kinase phosphatase, MKP6.

  Marti F, Krause A, Post NH, Lyddane C, Dupont B, Sadelain M, King PD.

  Journal of Immunology 2001 Jan; 166(1):197.

Pathway

- MAPK signaling pathway

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