

DUSP7 antibody

Catalog No: #31861

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Description

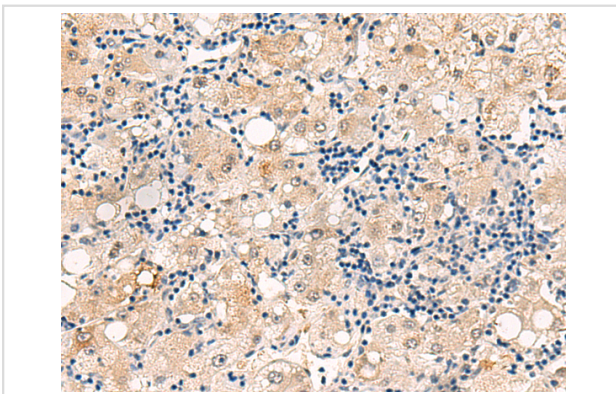
Product Name	DUSP7 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Fusion protein of human DUSP7
Target Name	DUSP7
Other Names	MKPX; PYST2
Accession No.	NCBI Protein#:BC019107
Concentration	0.7mg/ml
Formulation	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Storage	Store at -20°C/1 year

Application Details

WB 1:1000 500-2000

IHC dilution:1:50-1:300

Images



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using (ntibody) at dilution 1/50.

Background

Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. DUSP7 belongs to a class of DUSPs, designated MKPs, that dephosphorylate MAPK (mitogen-activated protein kinase) proteins ERK (see MIM 601795), JNK (see MIM 601158), and p38 (see MIM 600289) with specificity distinct from that of individual MKP proteins. MKPs contain a highly conserved C-terminal catalytic domain and an N-terminal Cdc25 (see MIM 116947)-like (CH2) domain. MAPK activation cascades mediate various physiologic processes, including cellular proliferation, apoptosis, differentiation, and stress responses (summary by Patterson et al., 2009 [PubMed 19228121]).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.