

DUSP7 Conjugated Antibody

Catalog No: #C31861

Package Size: #C31861-AF350 100ul #C31861-AF405 100ul #C31861-AF488 100ul #C31861-AF555 100ul #C31861-AF594 100ul #C31861-AF647 100ul #C31861-AF680 100ul #C31861-AF750 100ul #C31861-Biotin 100ul #C31861-Conjugated 50ul

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Description

Product Name	DUSP7 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB, IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Fusion protein of human DUSP7
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Target Name	DUSP7
Other Names	MKPX; PYST2
Accession No.	Swiss-Prot#: Q14689NCBI Protein#: BC019107
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at -20°C/1 year

Application Details

WB: 1:50-1:200

IF:1:50-1:200

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.