



# DUSP19 Monoclonal Antibody

<b>Catalog No</b>	BYmab-14733
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Monkey
<b>Applications</b>	WB
<b>Gene Name</b>	DUSP19
<b>Protein Name</b>	Dual specificity protein phosphatase 19
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human DUSP19. AA range:111-160
<b>Specificity</b>	DUSP19 Monoclonal Antibody detects endogenous levels of DUSP19 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	DUSP19; DUSP17; LMWDSP3; SKRP1; Dual specificity protein phosphatase 19; Dual specificity phosphatase TS-DSP1; Low molecular weight dual specificity phosphatase 3; LMW-DSP3; Protein phosphatase SKRP1; Stress-activated protein kinase pathway
<b>Observed Band</b>	28kD
<b>Cell Pathway</b>	
<b>Tissue Specificity</b>	Expressed in the heart, lung, liver, and pancreas. The expression level in the pancreas is the highest.
<b>Function</b>	catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Has a dual specificity toward Ser/Thr and Tyr-containing proteins.,similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.,similarity:Contains 1 tyrosine-protein phosphatase domain.,tissue specificity:Expressed in the heart, lung, liver, and pancreas. The expression level in the pancreas is the highest.,

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## Background

dual specificity phosphatase 19(DUSP19) Homo sapiens 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. They have been implicated as major modulators of critical signaling pathways. DUSP19 contains a variation of the consensus DUSP C-terminal catalytic domain, with the last serine residue replaced by alanine, and lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM, Dec 2009],

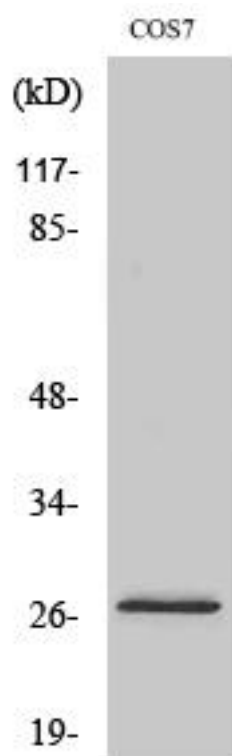
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using DUSP19 Monoclonal Antibody