



DUSP19 Polyclonal Antibody

Catalog No	YP-Ab-14733
Isotype	IgG
Reactivity	Human;Monkey
Applications	WB;IF;ELISA
Gene Name	DUSP19
Immunogen	The antiserum was produced against synthesized peptide derived from human DUSP19. AA range:111-160
Specificity	DUSP19 Polyclonal Antibody detects endogenous levels of DUSP19 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Dual specificity phosphatase TS-DSP1;DUSP17;EC:3.1.3.16;LMW DSP3;LMWDSP3;DUSP19;Dual specificity protein phosphatase 19;SKRP1;Low molecular weight dual specificity phosphatase 3;LMW-DSP3;Protein phosphatase SKRP1;Stress-activated protein kinase pathway
Observed Band	28kD
Calculated Molecular Weight	28kD
Cell Pathway	
Tissue Specificity	Expressed in the heart, lung, liver, and pancreas. The expression level in the pancreas is the highest.
Function	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.,



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],

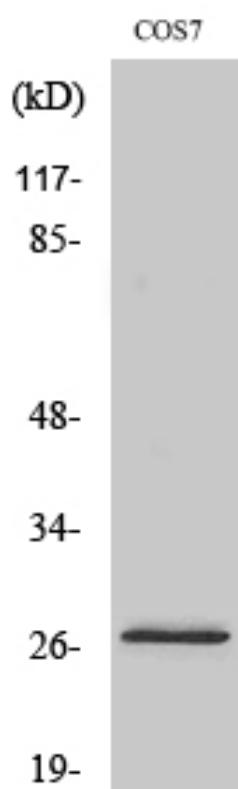
matters needing attention

Avoid repeated freezing and thawing!

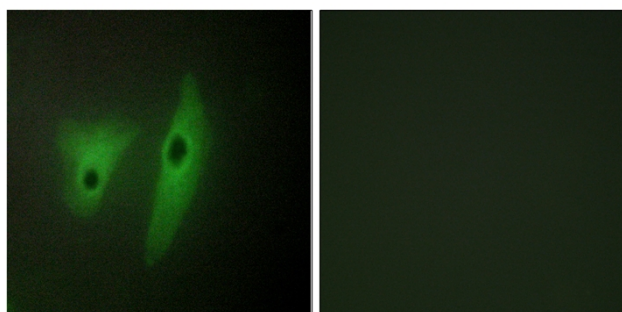
Usage suggestions

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

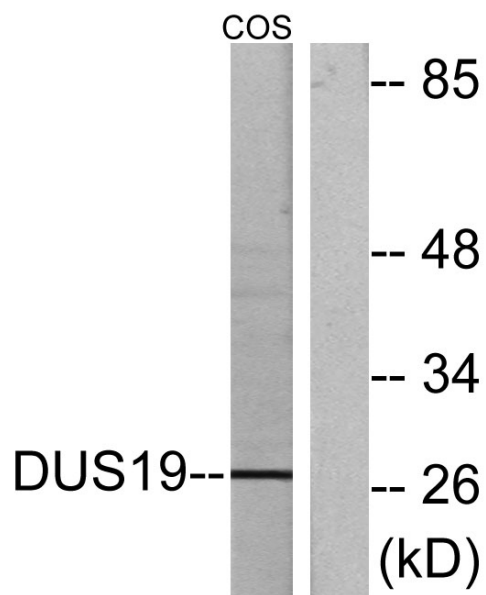
Products Images



Western Blot analysis of various cells using DUSP19 Polyclonal Antibody



Immunofluorescence analysis of HeLa cells, using DUSP19 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using DUSP19 Antibody. The lane on the right is blocked with the synthesized peptide.