

For Research Use Only

# DUSP22 Polyclonal antibody

Catalog Number: 16514-1-AP

2 Publications



## Basic Information

Catalog Number:

16514-1-AP

Size:

150ul, Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9734

GenBank Accession Number:

BC022847

GeneID (NCBI):

56940

UNIPROT ID:

Q9NRW4

Full Name:

dual specificity phosphatase 22

Calculated MW:

184 aa, 21 kDa

Observed MW:

21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:600

IHC 1:20-1:200

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : mouse heart tissue, mouse kidney tissue

IHC : human lung cancer tissue,

## Background Information

DUSP22(Dual specificity protein phosphatase 22) is also named as JSP1, LMWDSP2, MKPX. It has been demonstrated to belong to a new subgroup of small DSPs anchored at the membranes by an N-terminal myristic acid moiety and DUSP22 play a regulatory role in the JNK or p38 MAPK pathways(PMID:17384676). It has 2 isoforms produced by alternative splicing with the molecular weight of 21 kDa and 23 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hsiu-Ping Lin	31693867	FASEB J	IHC
Pierre Mélard	27626696	Oncotarget	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

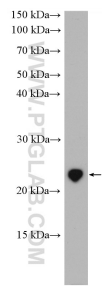
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

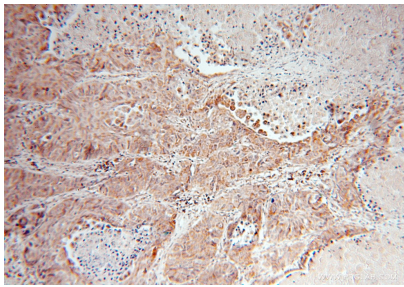
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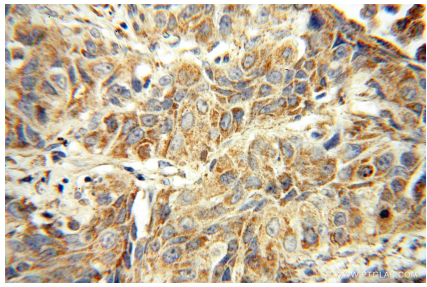
## Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 16514-1-AP (DUSP22 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 16514-1-AP (DUSP22 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 16514-1-AP (DUSP22 antibody) at dilution of 1:50 (under 40x lens).