

For Research Use Only

# DUSP7/PYST2 Polyclonal antibody

Catalog Number: 26910-1-AP

5 Publications



## Basic Information

### Catalog Number:

26910-1-AP

### Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG25488

### GenBank Accession Number:

BC104880

### GeneID (NCBI):

1849

### UNIPROT ID:

Q16829

### Full Name:

dual specificity phosphatase 7

### Observed MW:

45-50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : rat heart tissue, mouse heart tissue, mouse kidney tissue

IHC : human breast cancer tissue, human liver tissue

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

## Background Information

Human dual-specificity phosphatase 7 (DUSP7/PYST2) is a member of a structurally homologous subfamily of MAP kinase phosphatases. DUSP7 is overexpressed in myeloid leukemia and other malignancies. It is known to bind and dephosphorylate ErkII, and as it, along with the other members of the DUSP family expresses high selectively for MAP kinases. It has been suggested that it functions as a method for selectively activating/deactivating different members of that family.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wan-Xin Peng	29041978	Mol Cancer	WB
Yuki Kanda	33249692	Genes Cells	WB
Yi-Ping Leng	28631302	Br J Pharmacol	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

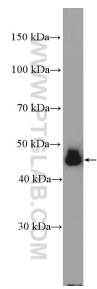
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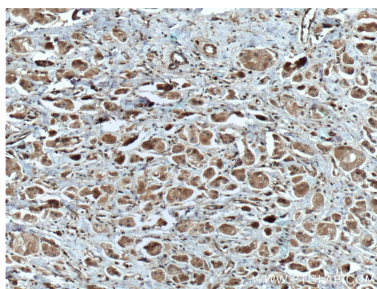
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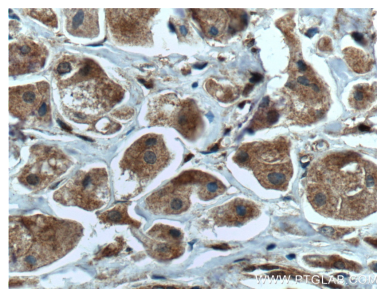
## Selected Validation Data



rat heart tissue were subjected to SDS PAGE followed by western blot with 26910-1-AP (DUSP7/PYST2 antibody at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 26910-1-AP (DUSP7/PYST2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 26910-1-AP (DUSP7/PYST2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).