

For Research Use Only

# SOX5 Polyclonal antibody

Catalog Number: 13216-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

13216-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4092

### GenBank Accession Number:

BC029220

### GeneID (NCBI):

6660

### UNIPROT ID:

P35711

### Full Name:

SRY (sex determining region Y)-box 5

### Calculated MW:

763 aa, 84 kDa

### Observed MW:

68-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, mouse

### Cited Species:

human, rat, mouse

### Positive Controls:

WB: A549 cells, SH-SY5Y cells, U-87 MG cells, mouse liver tissue

## Background Information

Sex determining region Y-box protein 5 (SOX5) is a member of the SOX family, which was identified based on the conserved homology of the high-mobility group DNA-binding motif. It has been reported that SOX5 is involved in the regulation of embryonic development, and is associated with various cancer types, including prostate cancer, glioblastoma, hepatocellular carcinoma, osteosarcoma and nasopharyngeal carcinoma. SOX5 has 5 isoforms with the molecular mass of 42, 71 and 82-84 kDa. (PMID: 30854049)

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuki Miyamoto	27876794	Nat Commun	WB
Min Feng	32461589	Lab Invest	WB
Yafeng Liu	32468049	Mol Med Rep	IHC

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

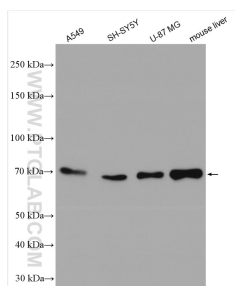
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13216-1-AP (SOX5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.