

For Research Use Only

# YY2 Monoclonal antibody

Catalog Number: 66839-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 66839-1-Ig	<b>GenBank Accession Number:</b> BC137217	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1600 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 404281	<b>CloneNo.:</b> 1C11A7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O15391	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> YY2 transcription factor	
<b>Immunogen Catalog Number:</b> AG25373	<b>Calculated MW:</b> 372 aa, 46 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human kidney tissue, human placenta tissue, MCF-7 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	

## Background Information

YY2 (Yin-Yang 2) encodes a zinc finger transcription factor similarity to the well-characterized YY1 that locating to nucleus. Both proteins recognize an identical DNA-binding motifs with a high homologous Zinc Finger region, and these transcription factors can act as activators or repressors when bound to DNA (PMID:26350623). It is reported that YY2 is placental mammal-specific and is absent in marsupial and non-mammalian vertebrate species (PMID:16377127). YYs are play an important role in multiple developmental processes , such as implantation, cell differentiation, X inactivation, imprinting and organogenesis (PMID:27191592). YY2 is expressed in kindey, liver, spleen and testicle but not in the colon (PMID:15087442). A 41kDa band could be detected.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yunshang Chen	35115490	Cell Death Dis	WB

## Storage

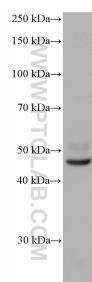
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



human kidney tissue were subjected to SDS PAGE followed by western blot with 66839-1-Ig (YY2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.