

For Research Use Only

MSY2 Polyclonal antibody

Catalog Number: 13538-1-AP **3 Publications**



Basic Information

Catalog Number: 13538-1-AP	GenBank Accession Number: BC033800	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51087	Recommended Dilutions: IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q9Y2T7	
Isotype: IgG	Full Name: Y box binding protein 2	
Immunogen Catalog Number: AG4465	Calculated MW: 364 aa, 39 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: IHC, IP, ELISA	Positive Controls: IP : PC-3 cells, IHC : human ovary tumor tissue,
Cited Applications: WB, IHC, IF, IP, ChIP	
Species Specificity: human, mouse, rat	
Cited Species: mouse	
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

MSY2, also named CSDA3 and YBX2, belongs to the Y box family of cold shock domain proteins. MSY2 is solely expressed in male and female germ cells and is necessary for fertility. MSY2 serves as a coactivator of transcription, binding to the DNA sequence CTGATTGGC/TC/TAA in the promoters of genes transcribed in germ cells, thereby linking transcription with mRNA storage/stabilization (PMID: 19597149). MSY2 has 1 isoform with a molecular mass of 38 kDa. MSY2 is essential for regulating mRNA stability in oocytes (PMID: 21613634).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoli Wang	33674260	Development	WB,IF,IP
	34437685	Development	WB,IF,IP
Yu-Hsiang Chou	32749240	J Clin Invest	WB,IHC,ChIP

Storage

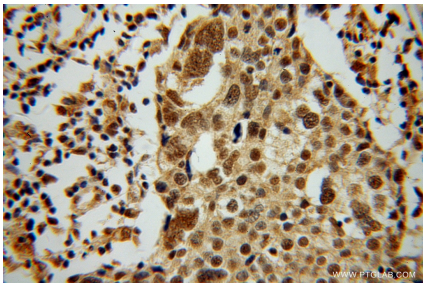
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

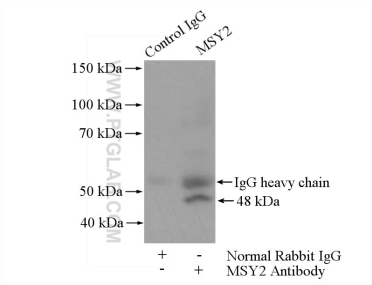
For technical support and original validation data for this product please contact:
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 13538-1-AP (MSY2 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-MSY2 (IP:13538-1-AP, 4ug; Detection:13538-1-AP 1:300) with PC-3 cells lysate 1720ug.