

For Research Use Only

MEST Monoclonal antibody

Catalog Number:**60263-1-Ig**



Basic Information

Catalog Number:	60263-1-Ig	GenBank Accession Number:	BC011908	Purification Method:	Protein A purification
Size:	150ul , Concentration: 3000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI):	4232	CloneNo.:	1A4A1
	Nanodrop and 2000 ug/ml by Bradford method using BSA as the standard;	UNIPROT ID:	Q5EB52	Recommended Dilutions:	WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Source:	Mouse	Full Name:	mesoderm specific transcript homolog (mouse)		
Isotype:	IgG2a	Calculated MW:	38 kDa		
Immunogen Catalog Number:	AG11929	Observed MW:	34 kDa		

Applications

Tested Applications:	WB, IHC, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human	WB :	PC-3 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			IHC : human prostate cancer tissue, IF/ICC : BxPC-3 cells,

Background Information

MEST(Mesoderm-specific transcript homolog protein) is also named as PEG1 and belongs to the AB hydrolase superfamily. The gene is a imprinting gene, which is associated with growth of mesodermal origin cells(PMID:20339302) and plays important roles in embryo development(PMID:21375506). It is also a novel regulator of Wnt/CTNNB signalling during adipogenic differentiation(PMID:21375506). It has 3 isoforms produced by alternative splicing and the full length protein has a glycosylation site.

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

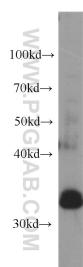
*** 20ul sizes contain 0.1% BSA

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)

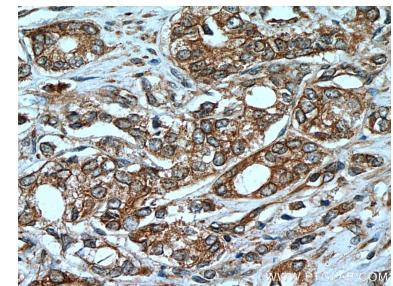
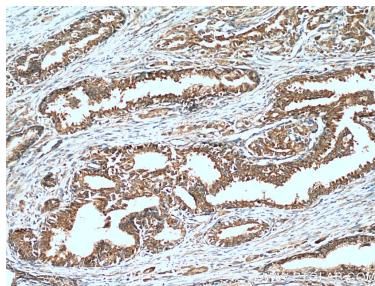
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data

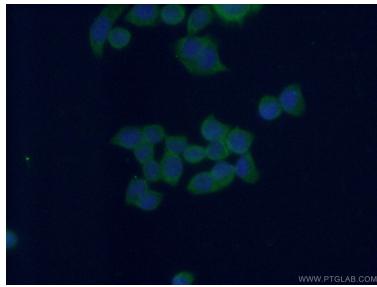


PC-3 cells were subjected to SDS PAGE followed by western blot with 60263-1-Ig (MEST antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 60263-1-Ig (MEST Antibody) at dilution of 1:400 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 60263-1-Ig (MEST Antibody) at dilution of 1:400 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed BxPC-3 cells using 60263-1-Ig(MEST antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).