

For Research Use Only

MAGEA3 Monoclonal antibody

Catalog Number: 60054-1-Ig 2 Publications



Basic Information

Catalog Number: 60054-1-Ig	GenBank Accession Number: BC000340	Purification Method: Protein G purification
Size: 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4102	CloneNo.: 1A9F3
Source: Mouse	UNIPROT ID: P43357	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Isotype: IgG1	Full Name: melanoma antigen family A, 3	
Immunogen Catalog Number: AG0265	Calculated MW: 314 aa, 35 kDa	
	Observed MW: 45-48 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse brain tissue, fetal human brain tissue, human testis tissue, rat brain tissue
Species Specificity: human, mouse, rat, pig	IHC : human lung cancer tissue, human oesophagus cancer tissue, human testis tissue
Cited Species: human	
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

MAGEA3 is a member of the MAGEA family, which belongs to chromosome X-clustered cancer/testis antigens. MAGEA3 is expressed in various human cancers including melanoma, brain, breast, lung, thyroid, colorectal, gastric, pancreatic and ovarian cancer. The aberrant expression of MAGEA3 is associated with poor clinical prognosis in many tumor types. The antibody is specific to MAGEA3.

Notable Publications

Author	Pubmed ID	Journal	Application
Aaron Chen	33227008	PLoS One	WB
Hongquan Qin	37814317	J Transl Med	WB

Storage

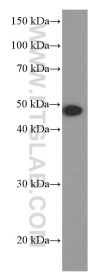
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

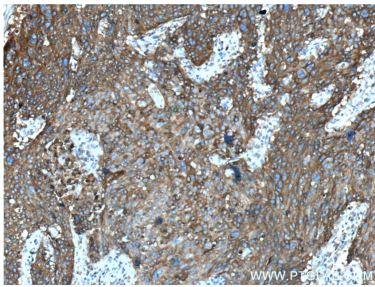
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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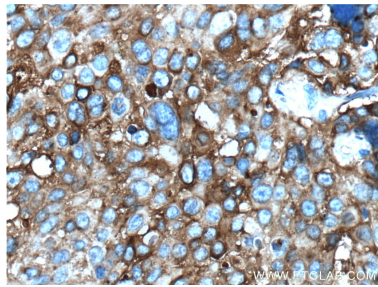
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 60054-1-Ig (MAGEA3 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60054-1-Ig (MAGEA3 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 lung cancer tissue slide using 60054-1-Ig (MAGEA3 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).