

For Research Use Only

# MAGEA3 Monoclonal antibody

Catalog Number: 60054-1-Ig **2 Publications**



## Basic Information

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

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, fetal human brain tissue, human testis tissue, rat brain tissue IHC : human lung cancer tissue, human oesophagus cancer tissue, human testis tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat, pig	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

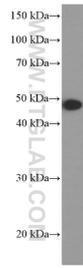
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

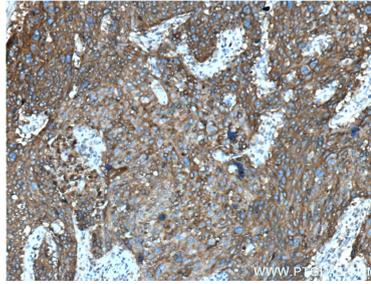
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

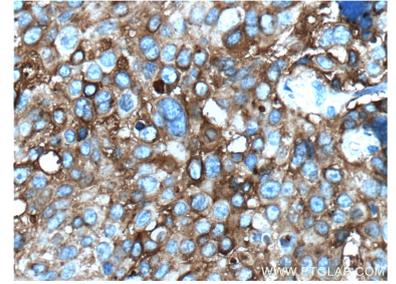
## Selected Validation Data



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).