

For Research Use Only

# MCEMP1 Polyclonal antibody

Catalog Number: 25700-1-AP



## Basic Information

<b>Catalog Number:</b> 25700-1-AP	<b>GenBank Accession Number:</b> BC104798	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 199675	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> chromosome 19 open reading frame 59	
<b>Isotype:</b> IgG	<b>Observed MW:</b> 22 kDa	
<b>Immunogen Catalog Number:</b> AG22616		

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB:</b> THP-1 cells, mouse liver tissue <b>IHC:</b> human lung tissue, mouse lung tissue

**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

The MCEMP1 gene contains seven exons and was mapped to human chromosome 19p13.3. The epitope-tagged MCEMP1 has been expressed in mammalian cells and found to be localized to the cellular membrane with its C-terminus extending to the outside of the membrane and N-terminus into the cytoplasmic compartment. An evidently increased expression of mast cell expression membrane protein 1 (MCEMP1) has been observed in stroke patients and its expression independently improved the discrimination of 1-month outcome, suggesting the functionality of peripheral blood expression of MCEMP1 as a biomarker for stroke prognosis. (PMID: 30883005, PMID: 31104315, PMID: 15953541)

## Storage

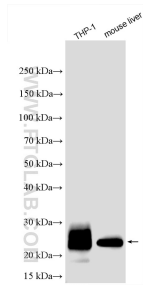
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

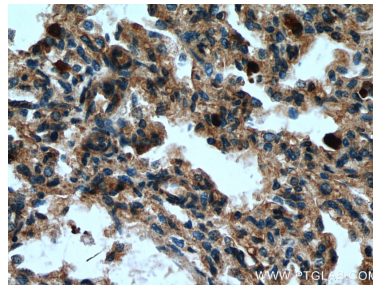
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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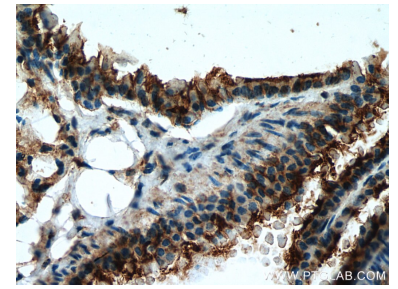
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25700-1-AP (C19orf59 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 25700-1-AP (C19orf59 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 25700-1-AP (C19orf59 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).