

For Research Use Only

# RAGE Polyclonal antibody

Catalog Number: 31122-1-AP



## Basic Information

<b>Catalog Number:</b> 31122-1-AP	<b>GenBank Accession Number:</b> NM_007425.3	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 250 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11596	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:250-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q62151-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> advanced glycosylation end product-specific receptor	
<b>Immunogen Catalog Number:</b> EG0873	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 42-55 kDa	

## Applications

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

## Background Information

The receptor for advanced glycation end products (RAGE) is a cell surface transmembrane multiligand receptor, also known as Ager, is a multiligand member of the immunoglobulin superfamily. It has many isoforms and is predominantly expressed in the lung. AGER expression is upregulated in many diseases such as Alzheimer's disease, diabetes mellitus, atherosclerosis, and rheumatoid arthritis (PMID: 35099614).

## Storage

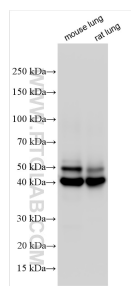
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

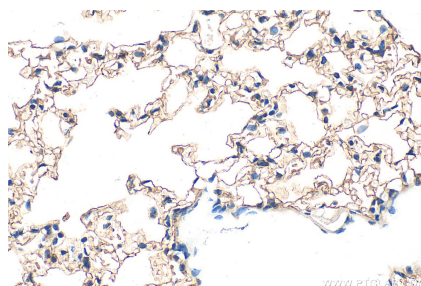
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31122-1-AP (RAGE antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 31122-1-AP (RAGE antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).