

For Research Use Only

# AGER/RAGE Monoclonal antibody

Catalog Number: 66833-1-Ig **3 Publications**



## Basic Information

<b>Catalog Number:</b> 66833-1-Ig	<b>GenBank Accession Number:</b> BC020669	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 177	<b>CloneNo.:</b> 3D4G11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q15109	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:150-1:600 IF-P 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> advanced glycosylation end product-specific receptor	
<b>Immunogen Catalog Number:</b> AG9657	<b>Calculated MW:</b> 404 aa, 43 kDa	
	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b> WB : pig lung tissue, rat lung tissue IHC : human lung tissue, IF-P : rat lung tissue, mouse lung tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat, pig	
<b>Cited Species:</b> human, mouse, rat	
<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

Advanced glycosylation end product-specific receptor (AGER, also known as RAGE) is a multiligand receptor of the immunoglobulin superfamily. It interacts with distinct molecules implicated in homeostasis, development, and inflammation, and certain diseases such as diabetes and Alzheimer disease.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chengcheng Liu	34653793	Mol Immunol	WB
Lei Yang	34856357	Cell Signal	WB
Weitao Wang	39179056	J Ethnopharmacol	WB

## 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

For technical support and original validation data for this product please contact:

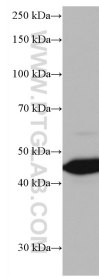
T: 4006900926

E: Proteintech-CN@ptglab.com

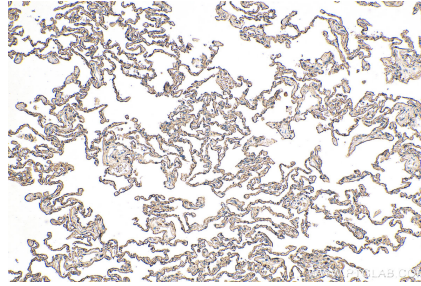
W: ptgcn.com

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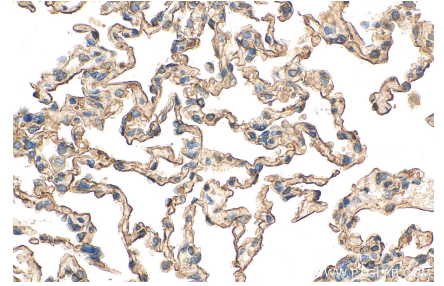
## Selected Validation Data



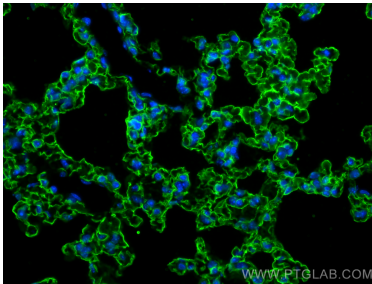
pig lung tissue were subjected to SDS PAGE followed by western blot with 66833-1-Ig (AGER antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



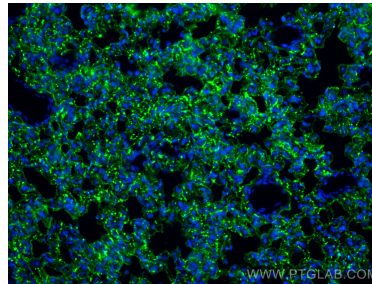
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 66833-1-Ig (AGER antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 66833-1-Ig (AGER antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using AGER/RAGE antibody (66833-1-Ig, Clone: 3D4G11) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat lung tissue using AGER antibody (66833-1-Ig, Clone: 3D4G11) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).