

For Research Use Only

AGER/RAGE Monoclonal antibody

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



Basic Information

Catalog Number: 66833-1-Ig	GenBank Accession Number: BC020669	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 551 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 177	CloneNo.: 3D4G11
Source: Mouse	UNIPROT ID: Q15109	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:150-1:600 IF-P 1:400-1:1600
Isotype: IgG1	Full Name: advanced glycosylation end product-specific receptor	
Immunogen Catalog Number: AG9657	Calculated MW: 404 aa, 43 kDa	
	Observed MW: 45 kDa	

Applications

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

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

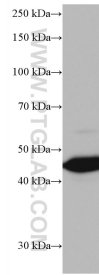
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

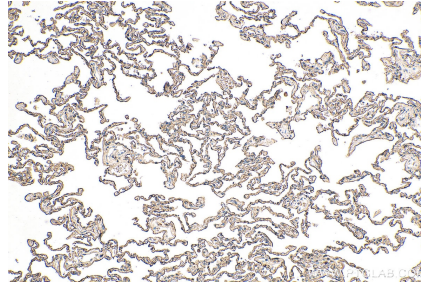
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

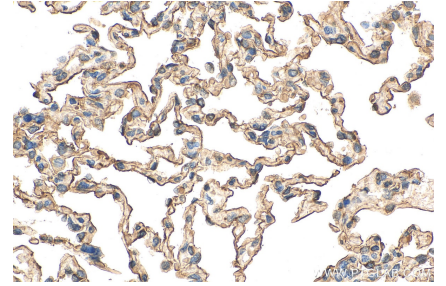
Selected Validation Data



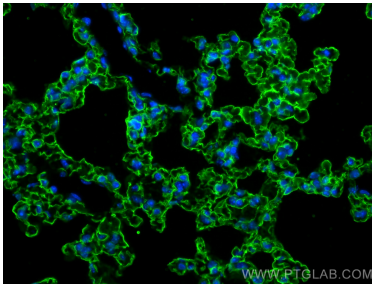
pig lung tissue were subjected to SDS PAGE followed by western blot with 66833-1-Ig (AGER antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



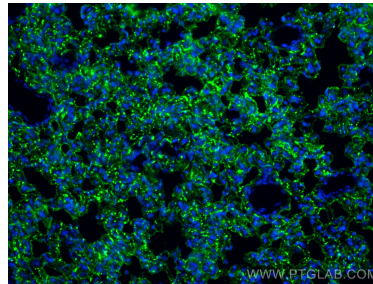
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 66833-1-Ig (AGER antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).