

For Research Use Only

Mouse RAGE Recombinant antibody, PBS Only

Catalog Number:83742-5-PBS



Basic Information

Catalog Number: 83742-5-PBS	GenBank Accession Number: NM_007425.3	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 11596	CloneNo.: 240774F11
Source: Rabbit	UNIPROT ID: Q62151-1	
Isotype: IgG	Full Name: advanced glycosylation end product-specific receptor	
	Calculated MW: 43 kDa	
	Observed MW: 42-55 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, ELISA

Species Specificity:
human, mouse, rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

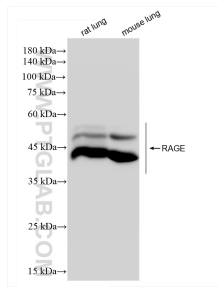
T: 4006900926

E: Proteintech-CN@ptglab.com

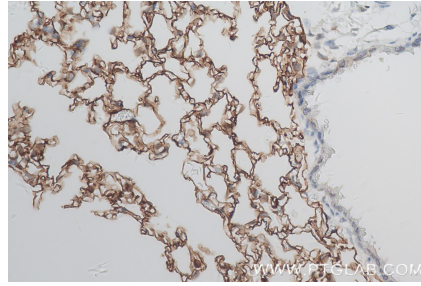
W: ptgcn.com

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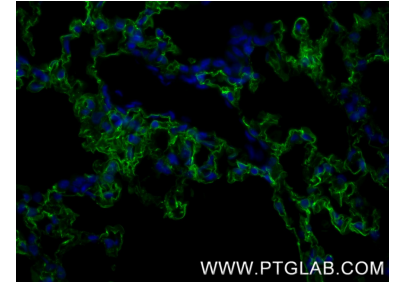
Selected Validation Data



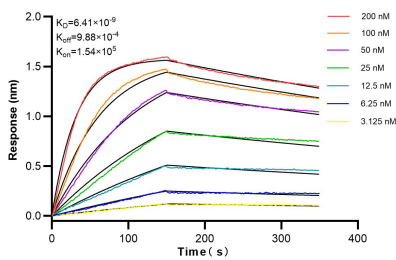
Various lysates were subjected to SDS PAGE followed by western blot with 83742-5-RR (RAGE antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83742-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 83742-5-RR (Ager/Rage antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83742-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using Ager/Rage antibody (83742-5-RR, Clone: 240774F11) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83742-5-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 83608-4-RR against Human ATM were performed. The affinity constant is 2.58 nM. Bi-layer interferometry (BLI) kinetic assays of 83608-4-RR against Mouse RAGE were performed. The affinity constant is 6.41 nM.