

AGER/RAGE Polyclonal antibody

Catalog Number: 32053-1-AP

Basic Information

Catalog Number:

32053-1-AP

Concentration:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1135

GenBank Accession Number:

GeneID (NCBI):

81722

UNIPROT ID:

Q63495

Full Name:

advanced glycosylation end product-specific receptor

Calculated MW:

43 kDa

Observed MW:

42-55 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

mouse, rat

Positive Controls:

WB : mouse lung tissue, rat lung tissue

IHC : rat 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

Advanced glycosylation end product-specific receptor (AGER, also known as RAGE) is a member of the immunoglobulin superfamily of cell surface receptors, which interacts with distinct families of ligands, mediating diverse functions in a broad array of cell types including cellular migration, proliferation, survival and apoptosis (PMID: 12645002; 17425919). It senses endogenous stress signals with a broad ligand repertoire including advanced glycation end products, S100 proteins, high-mobility group box 1 protein/HMGB1, amyloid beta/APP oligomers, nucleic acids, phospholipids and glycosaminoglycans (PMID: 19910580; 28627626). It interacts with distinct molecules implicated in homeostasis, development, inflammation, and certain diseases such as diabetes and Alzheimer's disease (PMID: 26253613; 31079281).

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

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

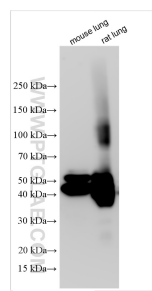
T: 4006900926

E: Proteintech-CN@ptglab.com

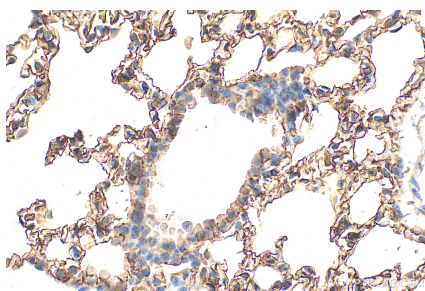
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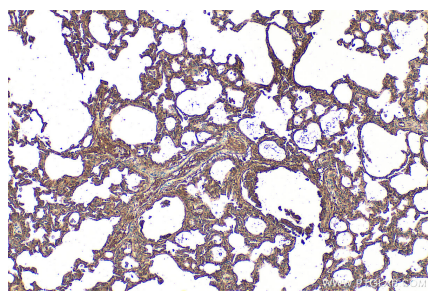
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32053-1-AP (AGER/RAGE antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 32053-1-AP (AGER/RAGE antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using 32053-1-AP (AGER/RAGE antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).