

For Research Use Only

RAGE Polyclonal antibody

Catalog Number: 31122-1-AP



Basic Information

Catalog Number:

31122-1-AP

Concentration:

250 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0873

GenBank Accession Number:

NM_007425.3

GeneID (NCBI):

11596

UNIPROT ID:

Q62151-1

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: 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

mouse, rat

Positive Controls:

WB : mouse lung tissue, rat lung tissue

IHC : 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

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

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

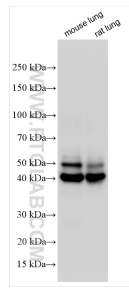
T: 4006900926

E: Proteintech-CN@ptglab.com

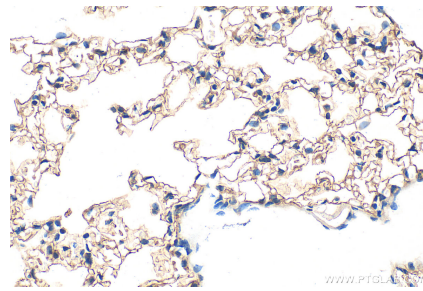
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).