

For Research Use Only

Rat AGER/RAGE Recombinant antibody, PBS Only

Catalog Number: 83759-5-PBS



Basic Information

Catalog Number:

83759-5-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

81722

UNIPROT ID:

Q63495

Full Name:

advanced glycosylation end product-specific receptor

Calculated MW:

43 kDa

Observed MW:

43 kDa

Purification Method:

Protein A purification

CloneNo.:

240706C3

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

mouse, rat

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 -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:

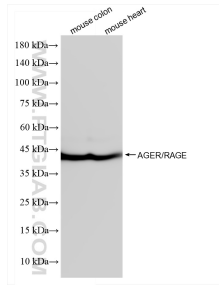
T: 4006900926

E: Proteintech-CN@ptglab.com

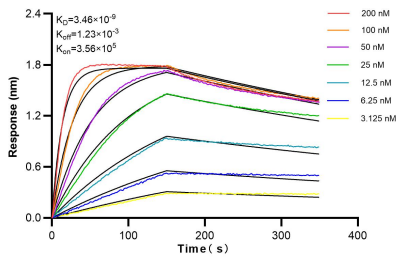
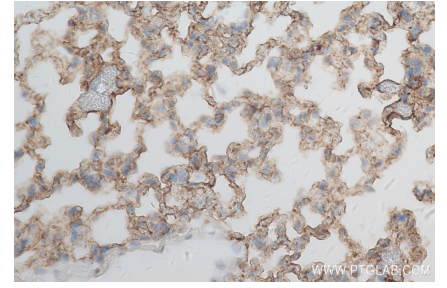
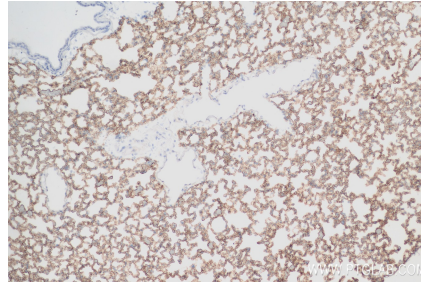
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83759-5-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 83759-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83759-5-RR against Rat AGER/RAGE were performed. The affinity constant is 3.46 nM.