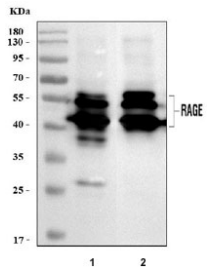
Rage Antibody / Ager (RQ8039)

Catalog No.	Formulation	Size
RQ8039	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q62151
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Rage antibody is available for research use only.



Western blot testing of 1) rat lung and 2) mouse lung tissue lysate with Rage antibody. Expected molecular weight: 45-55 kDa depending on glycosylation level.

Description

Enables S100 protein binding activity; advanced glycation end-product binding activity; and heparin binding activity. Involved in several processes, including cellular response to amyloid-beta; negative regulation of long-term synaptic potentiation; and positive regulation of cytokine production. Acts upstream of or within several processes, including induction of positive chemotaxis; negative regulation of advanced glycation end-product receptor activity; and positive regulation of macromolecule metabolic process. Located in extracellular space and plasma membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system gland; and lung.

Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); cardiovascular system disease (multiple); cystic fibrosis; kidney failure (multiple); and lupus nephritis. Orthologous to human AGER (advanced glycosylation end-product specific receptor).

Application Notes

Optimal dilution of the Rage antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant mouse protein (amino acids Q24-E320) was used as the immunogen for the Rage antibody.

Storage

After reconstitution, the Rage antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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