

Basic Information

Product Name	Anti-RAGE/AGER Antibody	
Gene Name	AGER	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human RAGE, different from the related mouse and rat sequences by six amino acids.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	45-58 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

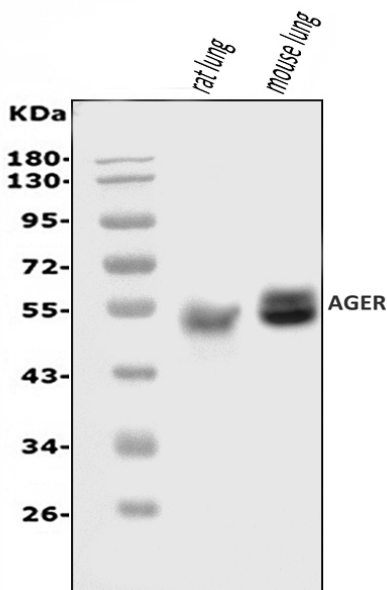
Background Information

The receptor for advanced glycation end products (RAGE) is a multi-ligand member of the immunoglobulin superfamily of cell surface molecules. It interacts with distinct molecules implicated in homeostasis, development and inflammation, and certain diseases such as diabetes and Alzheimer's disease. RAGE is also a central cell surface receptor for amphotericin and EN-RAGE. And RAGE is associated with sustained NF-kappaB activation in the diabetic microenvironment and has a central role in sensory neuronal dysfunction. Moreover, RAGE propagates cellular dysfunction in several inflammatory disorders and diabetes, and it also functions as an endothelial adhesion receptor promoting leukocyte recruitment.

Reference

Anti-RAGE/AGER Antibody被引用在1文献中。

Selected Validation Data

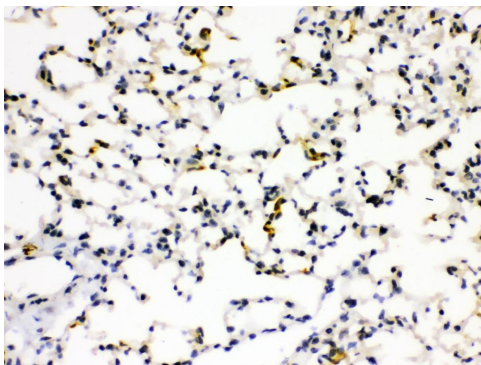


Western blot analysis of RAGE/AGER using anti-RAGE/AGER antibody (PB9469). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat lung tissue lysates,

Lane 2: mouse lung tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-RAGE/AGER antigen affinity purified polyclonal antibody (PB9469) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for RAGE/AGER at approximately 45-58 kDa. The expected band size for RAGE/AGER is at 43 kDa.



IHC analysis of RAGE/AGER using anti-RAGE/AGER antibody (PB9469).

RAGE/AGER was detected in a paraffin-embedded section of mouse lung tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody.

The tissue section was incubated with rabbit anti-RAGE/AGER Antibody (PB9469) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

Product datasheet

Anti-RAGE/AGER Antibody

Catalog Number: **PB9469**



antibody and ELISA experts

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