

RAGE Polyclonal Antibody | anti-RAGE antibody

Anti-RAGE Antibody

CATALOG # AAA46391	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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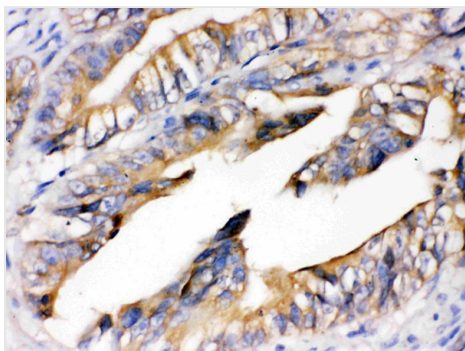
PRODUCT SYNONYMS

RAGE; Polyclonal Antibody; Anti-RAGE Antibody; Advanced glycosylation end product-specific receptor; AGER; MGC2235; MGC22357; RAGE_HUMAN; Receptor for advanced glycation endproducts; Receptor for advanced glycosylation end products; advanced glycosylation end product-specific receptor; anti-RAGE antibody

PRODUCT SPECIFICATIONS

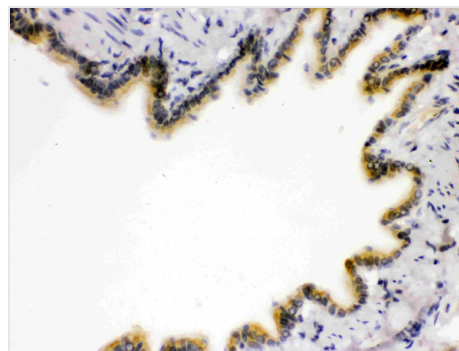
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	404
Applicable Applications for anti-RAGE antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human RAGE (91-120aa IQDEGIFRCQAMNRNGKETKSNYRVRVYQI), different from the related mouse and rat sequences by six amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



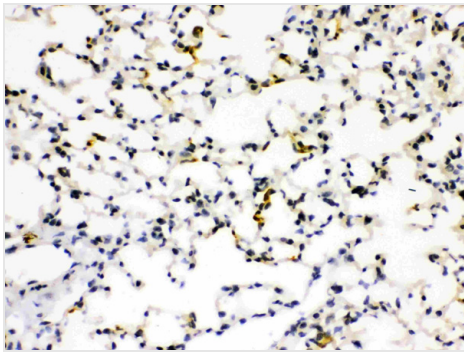
IHC (Immunohistochemistry)

Anti- RAGE Picoband antibody, AAA46391, IHC(P)IHC(P): Human Intestinal Cancer Tissue

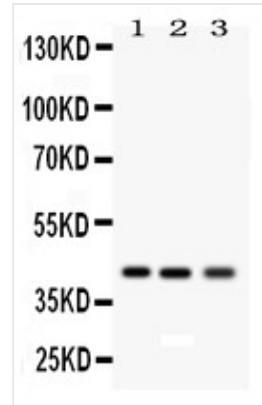


IHC (Immunohistochemistry)

Anti- RAGE Picoband antibody, AAA46391, IHC(P)IHC(P): Rat Lung Tissue



IHC (Immunohistochemistry)
Anti- RAGE Picoband antibody, AAA46391, IHC(P)IHC(P): Mouse Lung Tissue



WB (Western Blot)
Anti- RAGE Picoband antibody, AAA46391, Western blottingAll lanes: Anti RAGE (AAA46391) at 0.5ug/mlLane 1: Rat Lung Tissue Lysate at 50ugLane 2: RH35 Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugPredicted bind size: 43KDObserved bind size: 43KD

ADDITIONAL INFORMATION

Related Product Information for anti-RAGE antibody	Description: Rabbit IgG polyclonal antibody for Advanced glycosylation end product-specific receptor (AGER) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: 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 amphoterin 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.
References	1. Bierhaus A, Haslbeck KM, Humpert PM, Liliensiek B, Dehmer T, Morcos M, Sayed AA, Andrassy M, Schiekofer S, Schneider JG, Schulz JB, Heuss D, Neundorfer B, Dierl S, Huber J, Tritschler H, Schmidt AM, Schwaninger M, Haering HU, Schleicher E, Kasper M, Stern DM, Arnold B, Nawroth PP. Loss of pain perception in diabetes is dependent on a receptor of the immunoglobulin superfamily. J Clin Invest. 2004 Dec; 114(12):1741-51. 2. Chavakis T, Bierhaus A, Al-Fakhri N, Schneider D, Witte S, Linn T, Nagashima M, Morser J, Arnold B, Preissner KT, Nawroth PP. The pattern recognition receptor (RAGE) is a counterreceptor for leukocyte integrins: a novel pathway for inflammatory cell recruitment. J Exp Med. 2003 Nov 17; 198(10):1507-15. 3. Hofmann MA, Drury S, Fu C, Qu W, Taguchi A, Lu Y, Avila C, Kambham N, Bierhaus A, Nawroth P, Neurath MF, Slattery T, Beach D, McClary J, Nagashima M, Morser J, Stern D, Schmidt AM. RAGE mediates a novel proinflammatory axis: a central cell surface receptor for S100/calgranulin polypeptides. Cell. 1999 Jun 25; 97(7):889-901. 4. Taguchi A, Blood DC, del Toro G, Canet A, Lee DC, Qu W, Tanji N, Lu Y, Lalla E, Fu C, Hofmann MA, Kislinger T, Ingram M, Lu A, Tanaka H, Hori O, Ogawa S, Stern DM, Schmidt AM. Blockade of RAGE-amphoterin signalling suppresses tumour growth and metastases. Nature.2000 May 18; 405(6784):354-60.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835203
NCBI GeneID	177
NCBI Accession #	NP_001127.1
NCBI GenBank Nucleotide #	NM_001136.4
UniProt Accession #	Q15109 ; Q15279 ; Q3L1R4 ; Q3L1R5 ; Q3L1R6 ; Q3L1R7 ; Q3L1R8 ; Q3L1S0 ; A2BFI7 ; A6NKF0 ; A7Y2U9 ; B0V176
Molecular Weight	41,098 Da
NCBI Official Full Name	advanced glycosylation end product-specific receptor isoform 1
NCBI Official Synonym Full Names	advanced glycosylation end product-specific receptor

NCBI Official Symbol	AGER
NCBI Official Synonym Symbols	RAGE; SCARJ1
NCBI Protein Information	advanced glycosylation end product-specific receptor
UniProt Protein Name	Advanced glycosylation end product-specific receptor
UniProt Gene Name	AGER
UniProt Synonym Gene Names	RAGE
UniProt Entry Name	RAGE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rage-antibody-immunohistochemistry-western-blot-elisa/46391>