

Rabbit RAGE Monoclonal Antibody | anti-RAGE antibody

RAGE Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312410	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

RAGE; Monoclonal Antibody; RAGE Antibody; Advanced glycosylation end product-specific receptor antibody; Ager antibody; MGC2235 antibody; RAGE_HUMAN antibody; Receptor for advanced glycosylation end products antibody; anti-RAGE antibody

PRODUCT SPECIFICATIONS

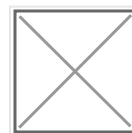
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JF0975
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-RAGE antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



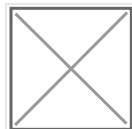
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Jurkat cells with RAGE antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



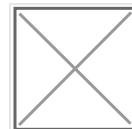
ICC (Immunocytochemistry)

ICC staining RAGE in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining RAGE in A431 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-RAGE antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of RAGE on mouse lung lysates using anti-RAGE antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-RAGE antibody	Advanced glycosylation end products of proteins (AGEs) are nonenzymatically glycosylated proteins that are associated with a variety of conditions, including diabetes and other vascular disorders, as well as amyloidosis. These proteins regulate cellular functions via specific cell surface acceptor molecules, such as RAGE (receptor for advanced glycosylation end products). RAGE is a type 1 membrane protein that is found on the surface of endothelial cells, mononuclear phagocytes and vascular smooth muscle cells. Binding of AGEs to RAGE results in the induction of cellular oxidant stress and activation of the transcription factor NFkB. Evidence suggests that the induction of oxidant stress results in the activation of an intracellular cascade involving p21 ras and MAP kinase, which leads to activation of transcription.
Product Categories/Family for anti-RAGE antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	332800988
NCBI GeneID	177
NCBI Accession #	NP_001193895.1
NCBI GenBank Nucleotide #	NM_001206966.1
UniProt Accession #	Q15109; Q15279; Q3L1R7; Q86SN1; Q9H2X7; Q9Y3R3; A2BFI7; A6NKF0; B0V176
Molecular Weight	42,803 Da
NCBI Official Full Name	advanced glycosylation end product-specific receptor isoform 6
NCBI Official Synonym Full Names	advanced glycosylation end product-specific receptor
NCBI Official Symbol	AGER
NCBI Official Synonym Symbols	RAGE
NCBI Protein Information	advanced glycosylation end product-specific receptor; RAGE isoform sRAGE-delta; RAGE isoform NtRAGE-delta
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://stage.aaabiotech.com/monoclonal/rage-antibody-clone-jf0975-flow-cytometry-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/312410>