

AGER polyclonal antibody

Catalog # PAB8006

Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AGER.
Immunogen	A synthetic peptide corresponding to amino acids at middle region of human AGER.
Host	Rabbit
Theoretical MW (kDa)	48.1
Reactivity	Human, Mouse, Rat
Specificity	The synthetic peptide of this antibody different from the mouse and rat sequence by two amino acids.
Form	Lyophilized
Purification	Immunoaffinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Gene Info — AGER

Entrez GeneID	177
Gene Name	AGER
Gene Alias	MGC22357, RAGE
Gene Description	advanced glycosylation end product-specific receptor
Omim ID	600214
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the immunoglobulin superfamily of cell surface molecules. It is a receptor for various molecules, including the amyloidogenic form of serum amyloid A, amyloid-beta protein, members of the S100/calgranulin superfamily and advanced glycation end products. The gene lies within the major histocompatibility complex (MHC) class III region on chromosome 6. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	OTTHUMP00000029155 OTTHUMP00000029156 advanced glycosylation end product-specific receptor RAGE3 advanced glycosylation end product-specific receptor variant sRAGE1 advanced glycosylation end product-specific receptor variant sRAGE2 receptor for advanced

Publication Reference

- [Loss of pain perception in diabetes is dependent on a receptor of the immunoglobulin superfamily.](#)

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.

The Journal of Clinical Investigation 2004 Dec; 114(12):1741.

Application: Func, IHC-Fr, Human, Sural nerve biopsies from patients with diabetes mellitus

- [The pattern recognition receptor \(RAGE\) is a counterreceptor for leukocyte integrins: a novel pathway for inflammatory cell recruitment.](#)

Chavakis T, Bierhaus A, Al-Fakhri N, Schneider D, Witte S, Linn T, Nagashima M, Morser J, Arnold B, Preissner KT, Nawroth PP.

The Journal of Experimental Medicine 2003 Nov; 198(10):1507.

Application: Func, Recombinant protein

- [Blockade of RAGE-amphoterin signalling suppresses tumour growth and metastases.](#)

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.

Nature 2000 May; 405(6784):354.

Application: IF, WB-Ce, Mouse, Rat, Lung murine carcinoma, C6 glioma cells

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