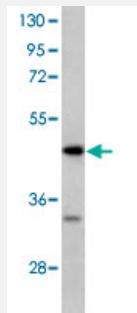


AGER polyclonal antibody

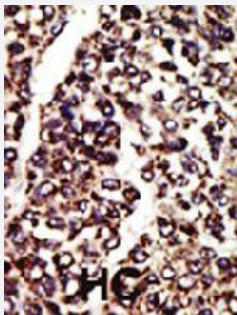
Catalog # PAB4296 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MDA-MB-231 cell lysate (35 ug/lane) with AGER polyclonal antibody (Cat # PAB4296).



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with AGER polyclonal antibody (Cat # PAB4296) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . HC = hepatocarcinoma .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AGER.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human AGER.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of MDA-MB-231 cell lysate (35 ug/lane) with AGER polyclonal antibody (Cat # PAB4296).

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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with AGER polyclonal antibody (Cat # PAB4296), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AGER

Entrez GeneID	177
Protein Accession#	RAGE_HUMAN
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

- [Tissue-specific expression patterns of the RAGE receptor and its soluble forms--a result of regulated alternative splicing?](#)

Schlueter C, Hauke S, Flohr AM, Rogalla P, Bullerdiek J.

Biochimica et Biophysica Acta 2003 Oct; 1630(1):1.

- [Regulation of cyclooxygenase-2 expression in monocytes by ligation of the receptor for advanced glycation end products.](#)

Shanmugam N, Kim YS, Lanting L, Natarajan R.

The Journal of Biological Chemistry 2003 Sep; 278(37):34834.

Application: Pretreated, Recombinant protein

- [Co-expression of receptor for advanced glycation end products and the ligand amphotericin associates closely with metastasis of colorectal cancer.](#)

Kuniyasu H, Chihara Y, Takahashi T.

Oncology Reports 2003 Mar; 10(2):445.

Application: IHC-P, Human, Human colorectal cancer

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)

- [Cerebral Amyloid Angiopathy](#)
- [Cognition](#)
- [Colitis](#)
- [Coronary Artery Disease](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Lung Diseases](#)
- [Lupus Erythematosus](#)
- [Myocardial Infarction](#)
- [Neuroblastoma](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Pancreatic Neoplasms](#)
- [Pulmonary Disease](#)