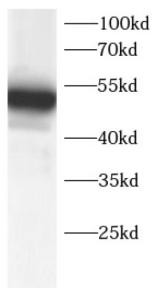
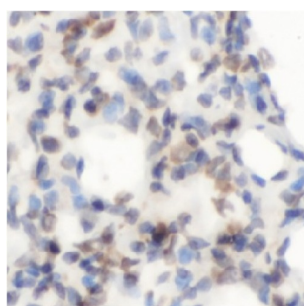


Advanced Glycosylation End Product-Specific Receptor (AGER) Antibody

Catalogue No.: abx020069



WB analysis of A549 cells, using AGER antibody (1/600 dilution).



IHC-P analysis of rat lung tissue, using AGER antibody (1/100 dilution).

Advanced Glycosylation End Product-Specific Receptor (AGER) Antibody is a Rabbit Polyclonal antibody for the detection of AGER.

Mediates interactions of advanced glycosylation end products (AGE). These are nonenzymatically glycosylated proteins which accumulate in vascular tissue in aging and at an accelerated rate in diabetes. Acts as a mediator of both acute and chronic vascular inflammation in conditions such as atherosclerosis and in particular as a complication of diabetes. AGE/RAGE signaling plays an important role in regulating the production/expression of TNF-alpha, oxidative stress, and endothelial dysfunction in type 2 diabetes. Interaction with S100A12 on endothelium, mononuclear phagocytes, and lymphocytes triggers cellular activation, with generation of key proinflammatory mediators. Interaction with S100B after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling (By similarity). Receptor for amyloid beta peptide. Contributes to the translocation of amyloid-beta peptide (ABPP) across the cell membrane from the extracellular to the intracellular space in cortical neurons. ABPP-initiated RAGE signaling, especially stimulation of p38 mitogen-activated protein kinase (MAPK), has the capacity to drive a transport system delivering ABPP as a complex with RAGE to the intraneuronal space. Can also bind oligonucleotides.

Target: Advanced Glycosylation End Product-Specific Receptor (AGER)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat

Tested Applications: ELISA, WB, IHC

Host: Rabbit

Datasheet

Version: 2.0.0
Revision date: 11 Mar 2025



Recommended dilutions: WB: 1/200 - 1/2000, IHC: 1/20 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: advanced glycosylation end product-specific receptor

Isotype: IgG

Form: Liquid

Purity: ≥ 95% (SDS-PAGE)

Purification: Purified by immunogen affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Validity: 12 months.

UniProt Primary AC: Q15109 ([UniProt](#), [ExPASy](#))

Gene Symbol: AGER

GeneID: [177](#)

OMIM: [600214](#)

HGNC: 320

KEGG: hsa:177

Ensembl: ENSG00000204305

String: [9606.ENSP00000364210](#)

Molecular Weight: Observed MW: 40-55 kDa

Buffer: PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.

Concentration: 2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.