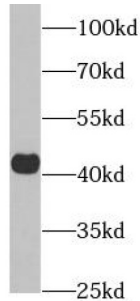


Advanced Glycosylation End Product-Specific Receptor (AGER) Antibody

Catalogue No.: abx239942



WB analysis of Rar lung tissue, using AGER antibody (1/2000 dilution).

Advanced Glycosylation End Product-Specific Receptor (AGER) Antibody is a Mouse Monoclonal 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: Monoclonal

Reactivity: Human, Rat

Tested Applications: ELISA, WB

Host: Mouse

Recommended dilutions: WB: 1/1000 - 1/5000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: advanced glycosylation end product-specific receptor

Isotype: IgG₁

Datasheet

Version: 2.0.0
Revision date: 31 Jan 2025



Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)
Purification:	Purified by Protein A and Protein G 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: 43 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.

For Reference Only