

## anti- AGER antibody

### Product Information

Catalog No.:	FNab09951
Size:	100 $\mu$ g
Form:	liquid
Purification:	protein A+G purified
Purity:	$\geq$ 95% as determined by SDS-PAGE
Host:	Mouse
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20 $^{\circ}$ C for 24 months (Avoid repeated freeze / thaw cycles.)

### Background

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.

### Immunogen information

Immunogen:	advanced glycosylation end product-specific receptor
Synonyms:	AGER, RAGE
Calculated MW:	43 kDa
Uniprot ID :	Q15109

### Application

Specificity:	Human, Rat; other species are not tested. Please decide the specificity by homology
Tested Application:	ELISA, WB
Recommended dilution:	WB: 1:1000-1:5000
Image:	



FineTest

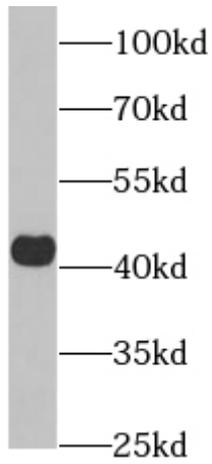
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Rar lung tissue were subjected to SDS PAGE followed by western blot with FNab09951(AGER Antibody) at dilution of 1:2000