Best Tools for immunology Research

RAGE Polyclonal Antibody

Catalog No :	YT3993
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	RAGE
Fields :	>>Neutrophil extracellular trap formation;>>AGE-RAGE signaling pathway in diabetic complications;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple diseases;>>Diabetic cardiomyopathy;>>Lipid and atherosclerosis
Gene Name :	AGER
Protein Name :	Advanced glycosylation end product-specific receptor
Human Gene Id :	177
Human Swiss Prot No :	Q15109
Mouse Swiss Prot No :	Q62151
Immunogen :	The antiserum was produced against synthesized peptide derived from human RAGE. AA range:133-182
Specificity :	RAGE Polyclonal Antibody detects endogenous levels of RAGE protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 37kD

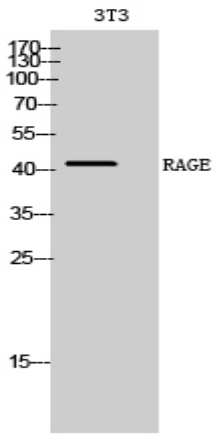
Background : The advanced glycosylation end product (AGE) receptor encoded by this gene is a member of the immunoglobulin superfamily of cell surface receptors. It is a multiligand receptor, and besides AGE, interacts with other molecules implicated in homeostasis, development, and inflammation, and certain diseases, such as diabetes and Alzheimer's disease. Many alternatively spliced transcript variants encoding different isoforms, as well as non-protein-coding variants, have been described for this gene (PMID:18089847). [provided by RefSeq, May 2011],

Function : function: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. Receptor for amyloid beta peptide.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity:Endothelial cells.,

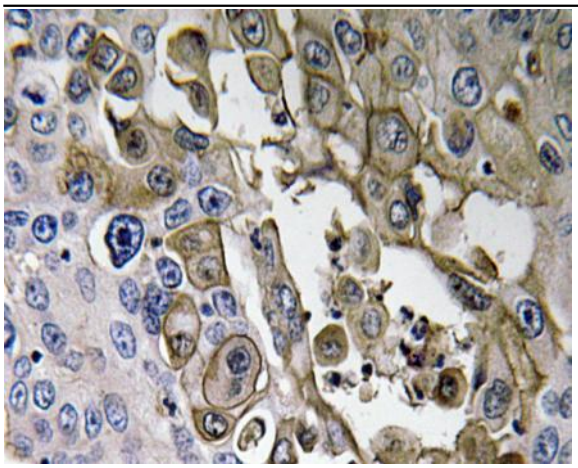
Subcellular Location : [Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]: Secreted.; [Isoform 10]: Cell membrane ; Single-pass type I membrane protein .

Expression : Endothelial cells.

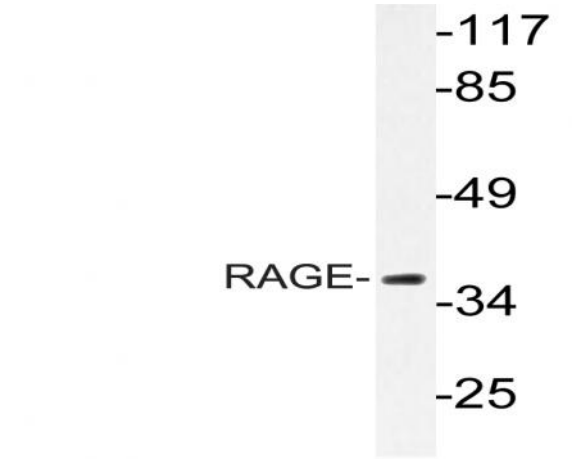
Products Images



Western Blot analysis of 3T3 cells using RAGE Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of RAGE antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from LOVO cells, using RAGE antibody.