



RAGE Polyclonal Antibody

Catalog No	YP-Ab-13666
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	AGER
Protein Name	Advanced glycosylation end product-specific receptor
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AGER; RAGE; Advanced glycosylation end product-specific receptor; Receptor for advanced glycosylation end products
Observed Band	37kD
Cell Pathway	[Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]: Secreted.; [Isoform 10]: Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Endothelial cells.
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.,
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],



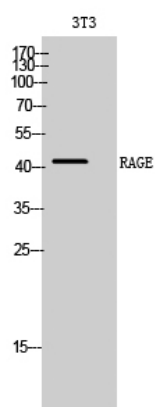
matters needing attention

Avoid repeated freezing and thawing!

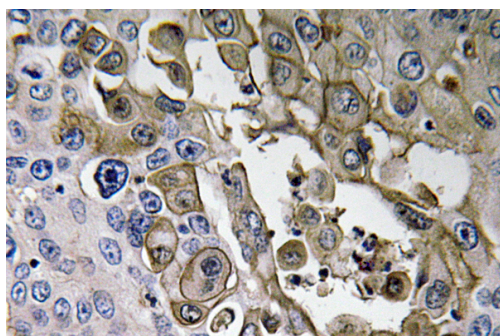
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

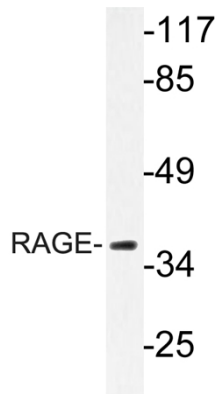
Products Images



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.