



Rabbit polyclonal antibody to human RAGE (178-196): Affinity purified

Catalogue No.:	R-1559-100
Description:	The Receptor for Advanced Glycation Endproducts (RAGE) is also known as the Advanced glycosylation end product-specific receptor (AGER). RAGE is expressed in endothelial cells and interacts with many molecules including advanced glycosylation end products (AGE) and amyloid beta peptide. At least 2 RAGE isoforms are produced by alternative splicing. Isoform 1 is a single-pass type I membrane protein whereas isoform 2 is secreted.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide corresponding to a region (178-196 aa) from human RAGE.
Other Names:	AGER; RAGE;
Accession:	Q15109 RAGE_HUMAN;
Produced in:	Rabbit
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0ug/mL is recommended for WB. Human RAGE (isoform 1) has a predicted length of 404 residues and MW of 43 kDa. A concentration of 1.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human (WB, IHC), Rat (IHC). Predicted to react with mouse due to sequence homology
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

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