



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

<b>Catalogue No.:</b>	R-1559-100
<b>Description:</b>	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.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide corresponding to a region (178-196 aa) from human RAGE.
<b>Other Names:</b>	AGER; RAGE;
<b>Accession:</b>	Q15109 RAGE_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Applications:</b>	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.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human (WB, IHC), Rat (IHC). Predicted to react with mouse due to sequence homology
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	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
<b>Expiry Date:</b>	12 months after purchase

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