



# Anti-AGER (aa 362-380) polyclonal antibody (CPBT-57000RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human AGER.
<b>Antigen Description</b>	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 Alzheimers disease. Many alternatively spliced transcript variants encoding different isoforms, as well as non-protein-coding variants, have been described for this gene (PMID:18089847).
<b>Specificity</b>	Endothelial cells.
<b>Immunogen</b>	Synthetic peptide: (C)WRKRQPR(R/L)EERKAPESQED(NH2), corresponding to amino acids 362-380 of Rat RAGE
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Rat
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, IHC-Fr, WB, FC, IHC-P
<b>Sequence Similarities</b>	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Cellular Localization</b>	Secreted and Cell membrane.

<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	PBS, 1 mg/ml BSA and 0.05% sodium azide
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">AGER advanced glycosylation end product-specific receptor [ Homo sapiens ]</a>
<b>Official Symbol</b>	AGER
<b>Synonyms</b>	AGER; advanced glycosylation end product-specific receptor; RAGE; Advanced glycosylation end product specific receptor; Advanced glycosylation end product-specific receptor; AGER; EC 2.7.11.22; LE 9211 A antigen; LE-9211-A antigen; MAPK MAK MRK overlapping kinase; MGC22357; MOK; RAGE 1; RAGE_HUMAN; RAGE1; Receptor for advanced glycation endproducts; Receptor for advanced glycosylation end products; Renal tumor antigen 1; Renal tumor antigen; OTTHUMP00000029155; OTTHUMP00000029156; OTTHUMP00000174885; RAGE isoform sRAGE-delta; RAGE isoform NtRAGE-delta;
<b>Entrez Gene ID</b>	<a href="#">177</a>
<b>Protein Refseq</b>	<a href="#">NP_001127</a>
<b>UniProt ID</b>	<a href="#">B4DNX3</a>
<b>Chromosome Location</b>	6p21.3
<b>Pathway</b>	Activated TLR4 signalling, organism-specific biosystem; Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88 cascade initiated on plasma membrane, organism-specific biosystem; MyD88 dependent cascade initiated on endosome, organism-specific biosystem; MyD88-independent cascade initiated on plasma membrane, organism-specific biosystem; MyD88:Mal cascade initiated on p
<b>Function</b>	S100 alpha binding; advanced glycation end-product receptor activity; protein binding; receptor activity; receptor activity; transmembrane signaling receptor activity;