

## **Product Informatiion Sheet**

## Polyclonal Anti-Advanced glycosylation end product-specific receptor, AGER (RAGE) (Magnetic Bead Conjugate)

Catalogue No. PA1069-M	Immunogen
	A synthetic peptide corresponding to a sequence mapping at the N-terminal
Lot No. 05E01	of human advanced glycosylation end-product-specific receptor(RAGE),
	identical to the related rat and mouse sequence.
Ig type: rabbit IgG1	Purification
	Immunogen affinity purified
Size: 100µg/Vial	Contents
	Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg $NaN_3$ .
Specificity	Storage
Human,mouse, rat.	Store at 4°C for frequent use.
No cross reactivity with other	Description:
proteins.	This Antagene antibody is immobilized by the covalent reaction of
	hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic
Recommended application	beads. It is useful for immunoprecipitation

Immunoprecipitation(IP)

## BACKGROUND

The receptor for advanced glycation end products (RAGE) is a multi-ligand member of the immunoglobulin superfamily of cell surface molecules. It interacts with distinct molecules implicated in homeostasis, development and inflammation, and certain diseases such as diabetes and Alzheimer's disease. RAGE is also a central cell surface receptor for amphoterin and EN-RAGE. RAGE is associated with sustained NF-kappaB activation in the diabetic microenvironment and has a central role in sensory neuronal dysfunction. Moreover, RAGE propagates cellular dysfunction in several inflammatory disorders and diabetes, and it also functions as an endothelial adhesion receptor promoting leukocyte recruitment.

## REFERENCE

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