

Product name:	RAGE Rabbit Monoclonal Antibody
Cat number:	MABN02516
Conjugate:	Unconjugated
Size:	100μL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant protein of human RAGE
Reactivity:	Mouse
Applications:	WB 1:500-1:1000
Molecular Weight:	Calculated MW: 43 kDa; Observed MW: 55 kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	The receptor for advanced glycation end products (RAGE) is member of the immunoglobulin (Ig) superfamily. Mediates interactions of advanced glycosylation end products (AGE). Binding of AGEs to RAGE results in the induction of cellular oxidant stress and activation of the transcription factor NFκB. Evidence suggests that the induction of oxidant stress results in the activation of an intracellular cascade involving p21 ras and MAP kinase, which leads to activation of transcription.