



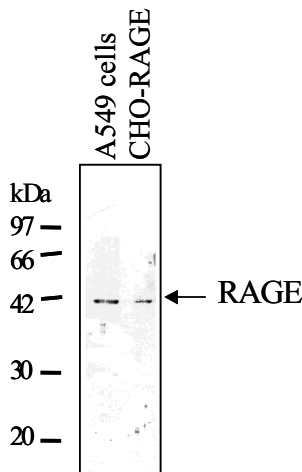
Code No. KAL-KH039-EX

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Anti Human RAGE Polyclonal Antibody, Rabbit

RAGE is the receptor of AGE, advanced glycation end products with 35,000 molecular weight and was cloned from bovine lung in 1992 (David Stern et al.,). RAGE has been found in several tissues such as monocytes, macrophages, endothelial cells, astocytes. The ligand of RAGE is demonstrated not only AGE but also anfoterin, EN-RAGE, N-carboxymethyllysine(CML), β -amyloid and so on. The accumulation of AGE-proteins in vivo has been demonstrated in several disease, it is not clear whether AGE-proteins accumulated in vivo is a direct cause of the disease or rather reflects its effect. Regarding this issue, AGE-modified proteins are known to interact with several cells by the AGE-receptors and induce several cellular phenomena. Recently, it has been discovered that RAGE is involved in pathophysiological function of diabetes and Alzheimer's disease. This antibody is affinity purified rabbit polyclonal antibody raised against partial peptide of human RAGE and should be used for western blotting or immunohistochemistry.

Package Size	100 μ g (400 μ L / vial)
Format	Rabbit polyclonal antibody ,0.25mg/mL
Buffer	Block Ace as a stabilizer, containing 0.1% Proclin as a bacteriostat
Storage	Below -20°C until needed.
Purification method	This antibody was purified from rabbit serum by Protein G affinity chromatography.



Western blotting

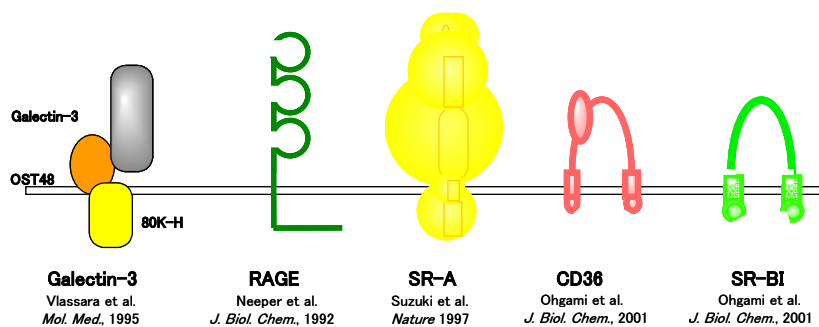
Sample: Cell lysates of
CHO-RAGE or A549 cells (5 μ g/lane)

Preparation of antibodies and instruction:
Prof. S Horiuchi., Department of Biochemistry Kumamoto
University School of Medicine



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【 AGE receptors 】



【Reference】

1. Neeper M, Schmidt AM, Brett J, et al.: Cloning and expression of a cell surface receptor for advanced glycosylation end products of protein. *J Biol Chem* 267:14998-15004, 1992
2. Schmidt AM, Vianna M, Gerlach M, et al.: Isolation and characterization of two binding proteins for advanced glycosylation end products from bovine lung which are present on the endothelial cell surface. *J Biol Chem* 267:14987-14997, 1992

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