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Product datasheet for AP20575PU-M

MOK protein kinase (MOK) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Western blot**: 1/500-1/1000. **Immunohistochemistry on Paraffin Sections**: 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 150-205 of Human AGER / RAGE.
Specificity:	This antibody detects endogenous levels of RAGE protein. (region surrounding Glu182)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 43 kDa
Gene Name:	MOK protein kinase
Database Link:	Entrez Gene 5891 Human Q9UQ07

View online »

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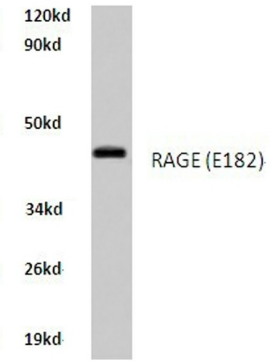
Background: Advanced glycosylation end products of proteins (AGEs) are nonenzymatically glycosylated proteins that are associated with a variety of conditions including diabetes and other vascular disorders, as well as amyloidosis. These proteins regulate cellular functions via specific cell surface acceptor molecules, such as RAGE (receptor for advanced glycosylation end products). RAGE is a type 1 membrane protein that is found on the surface of endothelial cells, mononuclear phagocytes and vascular smooth muscle cells. Binding of AGEs to RAGE results in the induction of cellular oxidant stress and activation of the transcription factor NFkappaB. 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.

Synonyms: MOK, RAGE1, MOK protein kinase, Renal tumor antigen 1, RAGE-1

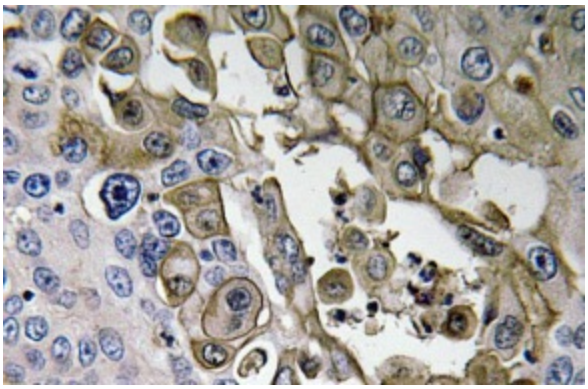
Protein Families: Druggable Genome, Protein Kinase

Product images:



HEK293A whole cell lysate
RAGE (E182) pAb at 1:500 dilution

Western blot (WB) analysis of RAGE antibody in extracts from HEK293A cells.



Immunohistochemistry (IHC) analyzes of RAGE antibody in paraffin-embedded human lung carcinoma tissue.

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