Product Name: **RAGE Rabbit Polyclonal Antibody**
Catalog #: **APRab16863**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
Molecular Weight	48kDa

Antigen Information

Gene Name	MOK
Alternative Names	MOK; RAGE; RAGE1; MAPK/MAK/MRK overlapping kinase; MOK protein kinase; Renal tumor antigen 1; RAGE-1
Gene ID	5891.0
SwissProt ID	Q9UQ07
Immunogen	The antiserum was produced against synthesized peptide derived from human MOK. AA range:261-310

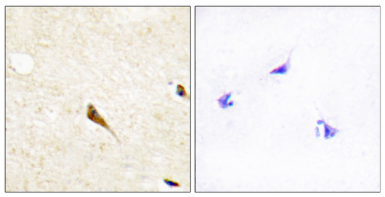
Background

MOK protein kinase(MOK) Homo sapiens This gene belongs to the MAP kinase superfamily. The gene was found to be regulated by caudal type transcription factor 2 (Cdx2) protein. The encoded protein, which is localized to epithelial cells in the intestinal crypt, may play a role in growth arrest and differentiation of cells of upper crypt and lower villus regions. Multiple alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Dec 2012],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Phosphorylation appears to increase the enzymatic activity.,function:Able to phosphorylate several exogenous substrates and to undergo autophosphorylation.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. CDC2/CDKX subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Expressed in heart, brain, lung, kidney, and pancreas, and at very low levels in placenta, liver and skeletal muscle. Detected in retina.,

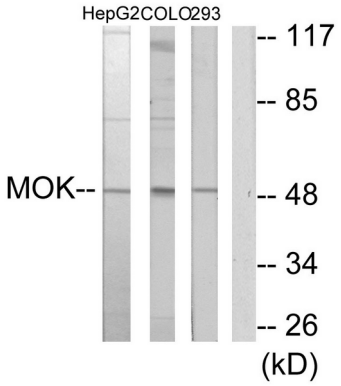
Research Area

Neuroscience; Neurology process; Neurodegenerative disease; Alzheimer's disease; Amyloid; Sensory System; Visual system; Cardiovascular; Atherosclerosis; Diabetes associated; Vascular Inflammation; Inflammatory mediators; Diseases

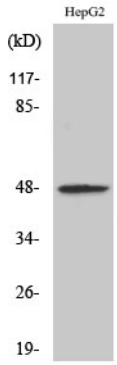
Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MOK Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2, COLO205, and 293 cells, using MOK Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using RAGE Polyclonal Antibody