

RAGE Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6910c

Specification

RAGE Antibody (Center) - Product Information

Application	IF, WB,E
Primary Accession	O9UQ07
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	206-234

RAGE Antibody (Center) - Additional Information

Gene ID 5891

Other Names

MAPK/MAK/MRK overlapping kinase, MOK protein kinase, Renal tumor antigen 1, RAGE-1, MOK, RAGE, RAGE1

Target/Specificity

This RAGE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-234 amino acids from the Central region of human RAGE.

Dilution

IF~~1:10~50

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RAGE Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RAGE Antibody (Center) - Protein Information

Name MOK

Synonyms RAGE, RAGE1

Function Able to phosphorylate several exogenous substrates and to undergo autophosphorylation. Negatively regulates cilium length in a cAMP and mTORC1 signaling-dependent manner.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q9WVS4}. Cell projection, cilium {ECO:0000250|UniProtKB:Q9WVS4}. Nucleus {ECO:0000250|UniProtKB:Q9WVS4}

Tissue Location

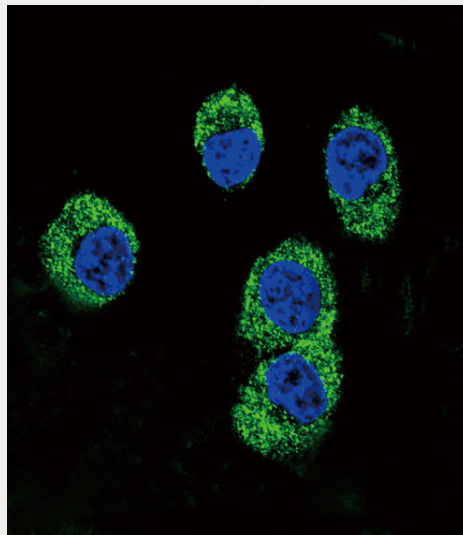
Expressed in heart, brain, lung, kidney, and pancreas, and at very low levels in placenta, liver and skeletal muscle. Detected in retina

RAGE Antibody (Center) - Protocols

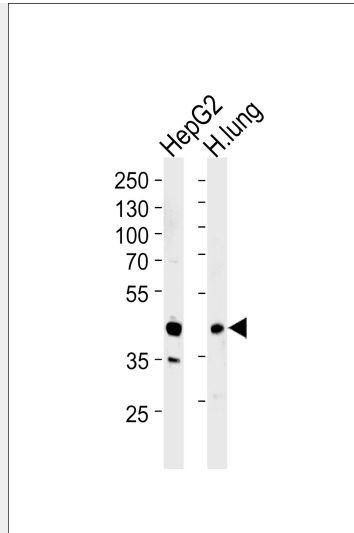
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

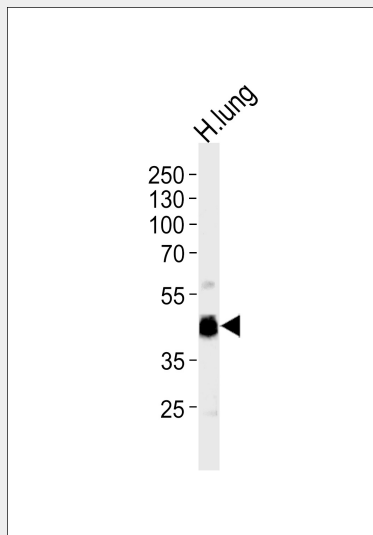
RAGE Antibody (Center) - Images



Confocal immunofluorescent analysis of RAGE Antibody (Center)(Cat#AP6910c) with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



Western blot analysis of lysates from HepG2 cell line and human lung tissue lysates (from left to right), using RAGE Antibody (Center)(Cat. #AP6910c). AP6910c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Western blot analysis of lysate from human lung tissue lysate, using RAGE Antibody (Center)(Cat. #AP6910c). AP6910c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

RAGE Antibody (Center) - Background

RAGE is able to phosphorylate several exogenous substrates and to undergo autophosphorylation.

RAGE Antibody (Center) - References

Peng,W.H., et.al., Arch. Med. Res. 40 (5), 393-398 (2009)

RAGE Antibody (Center) - Citations

- [AGEs-Induced Calcification and Apoptosis in Human Vascular Smooth Muscle Cells Is Reversed by Inhibition of Autophagy](#)