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RAGE Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6910c

Specification

RAGE Antibody (Center) - Product Information

Application	**WB, IF,E**
Primary Accession	Q9UQ07
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
WB~~1:1000
IF~~1:10~50
E~~Use at an assay dependent concentration.

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}

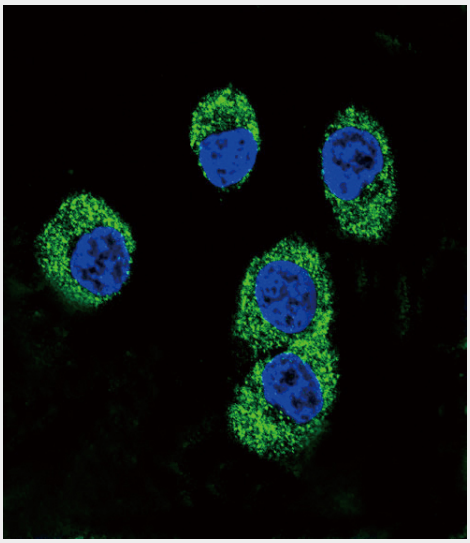
Tissue Location
Expressed in heart, brain, lung, kidney, and pancreas, and at very low levels in placenta, liver and skeletal muscle. Detected in retina

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 Cytomety
- 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 lgG (green).DAPI was used to stain the cell nuclear (blue).

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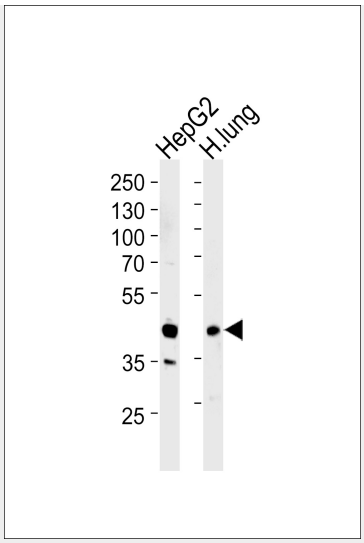
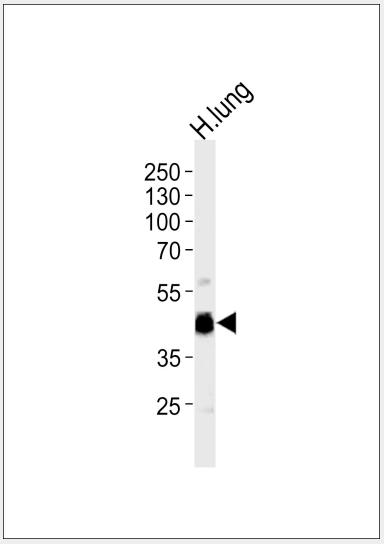


Western blot analysis of lysates from HepG2 cell line and human lung tissue lysates (from left to right), using RAGE Antibody (Center)(Cat. #AP6910c). AP6910c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per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