For Research Use Only

MAP4K2 Polyclonal antibody

Catalog Number:55244-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
55244-1-AP

Size:
467 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_004579

GeneID (NCBI):
5871

UNIPROT ID:
Q12851

Full Name:
mitogen-activated protein kinase kinase kinase kinase 2

Calculated MW:
92 kDa

Observed MW:
85-91 kDa, 58 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
IHC, WB, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, human brain tissue, Raji cells

IHC : human colon cancer tissue, human lung cancer tissue

Background Information

MAP4K2,also named as GCK and RAB8IP, belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and STE20 subfamily. It enhances MAP3K1 oligomerization, which may relieve amino-terminal mediated MAP3K1 autoinhibition and lead to activation following autophosphorylation. MAP4K2 may play a role in the regulation of vesicle targeting or fusion. This antibody is specific to MAP4K2.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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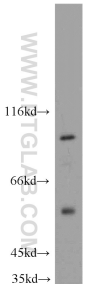
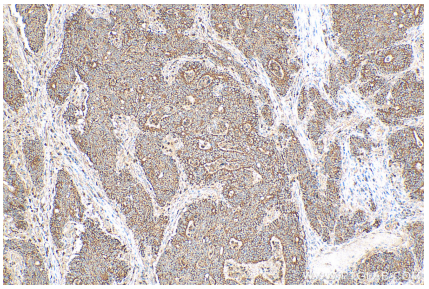
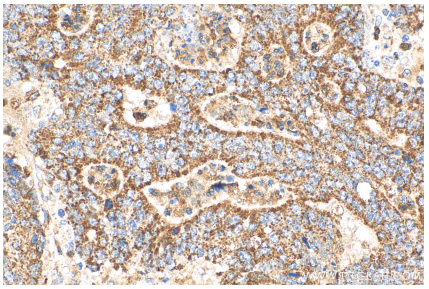
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 55244-1-AP (MAP4K2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 55244-1-AP (MAP4K2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 55244-1-AP (MAP4K2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).