

For Research Use Only

MTCL1 Polyclonal antibody

Catalog Number: 25780-1-AP



Basic Information

Catalog Number:

25780-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22718

GenBank Accession Number:

BC040542

GeneID (NCBI):

23255

UNIPROT ID:

Q9Y4B5

Full Name:

KIAA0802

Calculated MW:

1905 aa, 209 kDa

Observed MW:

250 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human, canine

Positive Controls:

WB : HEK-293 cells, HeLa cells, MDCK cells

IP : A549 cells,

Background Information

Microtubule cross-linking factor 1 (MTCL1) is a MT-regulating protein that plays essential roles in accumulating the non-centrosomal MTs into the apicobasal MT bundles. MTCL1, identified as a binding protein of the cell polarity-regulating kinase, PAR-1b/MARK2, is recruited to the Golgi membranes through interactions with CLASPs and AKAP450/CG-NAP, and promotes microtubule growth from the Golgi membrane. Western blot analysis detected MTCL1 at an apparent molecular mass of 250 kDa as indicated in the literature (PMID: 23902687, 28283581).

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

*** 20ul sizes contain 0.1% BSA

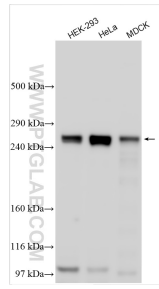
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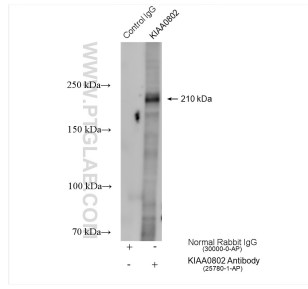
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25780-1-AP (MTCL1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-KIAA0802 (IP:25780-1-AP, 4ug; Detection:25780-1-AP 1:400) with A549 cells lysate 640 ug.