

A29500

Leader in Biomolecular Solutions for Life Science



EPHA2 Rabbit mAb

Catalog No.: A29500

Recombinant

Basic Information

Observed MW

125 kDa

Calculated MW

54 kDa/108 kDa

Category

Monoclonal Antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Mutations in this gene are the cause of certain genetically-related cataract disorders.

Recommended Dilutions

WB 1:20000 -
1:100000(Human)
1:2000 - 1:10000(Mouse &
Rat)

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts of
whole cells

IHC-P 1:500 - 1:2000

ELISA Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements. For high-
ratio antibody dilutions
(≥1:10000) , a sequential
dilution method is strongly
recommended to ensure
measurement accuracy.

Immunogen Information

Gene ID
1969

Swiss Prot
P29317

Immunogen

This information is considered to be commercially sensitive.

Synonyms

ECK; CTPA; ARCC2; CTPP1; CTRCT6

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

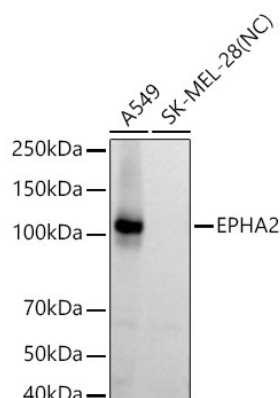
Storage

Store at -20°C

Contact

 www.abclonal.com

Validation Data



Western blot analysis of various lysates using EPHA2 Rabbit mAb (A29500) at 1:55000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

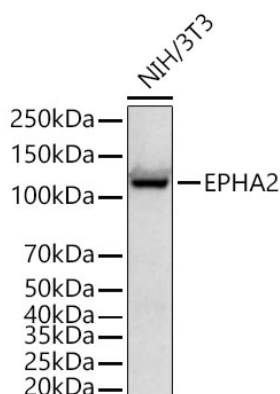
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC): SK-MEL-28.

Exposure time: 45 s.



Western blot analysis of lysates from NIH/3T3 cells using EPHA2 Rabbit mAb (A29500) at 1:10000 dilution incubated overnight at 4°C.

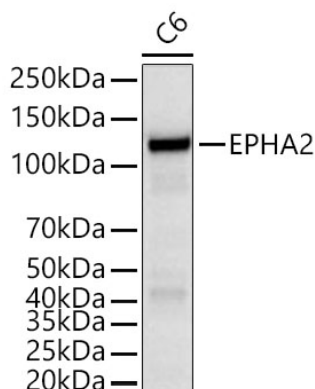
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45 s.



Western blot analysis of lysates from C6 cells using EPHA2 Rabbit mAb (A29500) at 1:10000 dilution incubated overnight at 4°C.

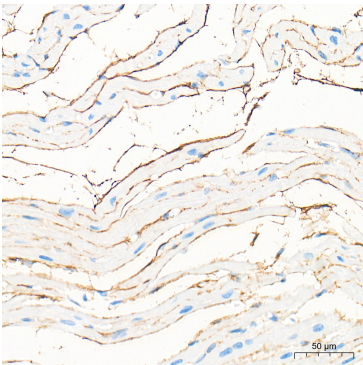
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

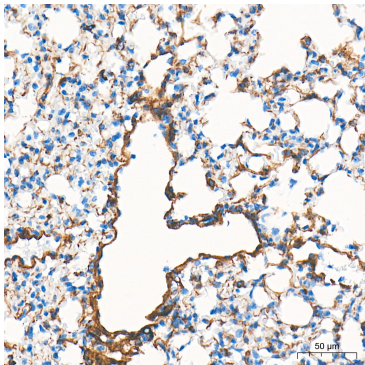
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

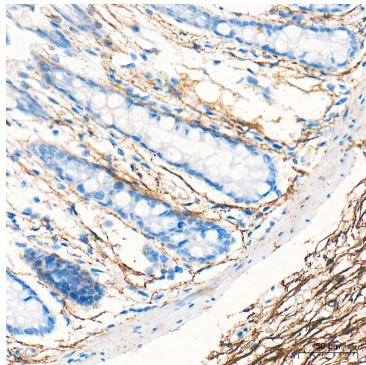
Exposure time: 30 s.



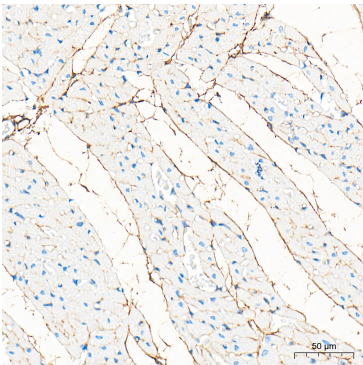
Immunohistochemistry analysis of paraffin-embedded Mouse heart tissue using EPHA2 Rabbit mAb (A29500) at a dilution of 1:1100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



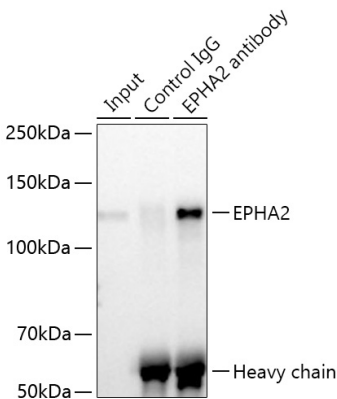
Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using EPHA2 Rabbit mAb (A29500) at a dilution of 1:1100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using EPHA2 Rabbit mAb (A29500) at a dilution of 1:1100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat heart tissue using EPHA2 Rabbit mAb (A29500) at a dilution of 1:1100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunoprecipitation of EPHA2 from 300 μg extracts of NIH/3T3 cells was performed using 1 μg of EPHA2 Rabbit mAb (A29500). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using EPHA2 Rabbit mAb (A29500) at a dilution of 1:10000.