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Ephrin A1 Rabbit mAb

Catalog No.: A9132   `Recombinant`   `1 Publications`

Basic Information

Observed MW
24kDa

Calculated MW
24kDa

Category
Primary antibody

Applications
ELISA,WB,IHC-P,IF/ICC

Cross-Reactivity
Human, Mouse

CloneNo number
ARC1443

Background

This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin which binds to the EPHA2, EPHA4, EPHA5, EPHA6, and EPHA7 receptors. Two transcript variants that encode different isoforms were identified through sequence analysis.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
1942

Swiss Prot
P20827

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Ephrin A1 (P20827).

Synonyms
B61; EFL1; GMAN; ECKLG; EPLG1; LERK1; LERK-1; TNFAIP4; Ephrin A1

Contact

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Product Information

Source
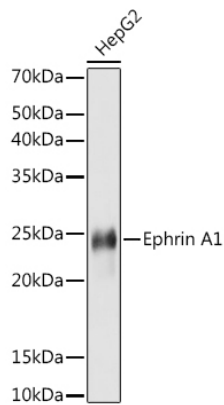Rabbit

Isotype
IgG

Purification
Affinity purification
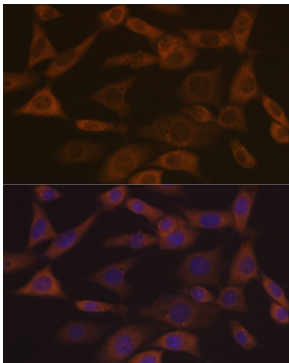
Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data
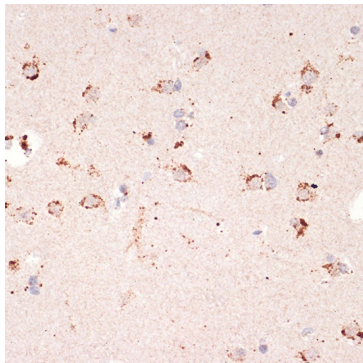

Western blot analysis of lysates from HepG2 cells, using Ephrin A1 Rabbit mAb (A9132) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

Immunofluorescence analysis of NIH-3T3 cells using Ephrin A1 Rabbit mAb (A9132) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Immunohistochemistry analysis of paraffin-embedded Human brain using Ephrin A1 Rabbit mAb (A9132) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.