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anti-EPH Receptor A7 antibody (AA 181-280)



Images



Overview

| Quantity: | 100 μL |
|----------------------|--|
| Target: | EPH Receptor A7 (EPHA7) |
| Binding Specificity: | AA 181-280 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EPH Receptor A7 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

Product Details

| Immunogen: | KLH conjugated synthetic peptide derived from human EphA7 |
|-----------------------|---|
| Isotype: | IgG |
| Specificity: | There is a chance that this protein will cross-react with EphA4 based on a 73 % non-sequential sequence similarity. |
| Cross-Reactivity: | Human, Mouse, Rat |
| Predicted Reactivity: | Dog,Cow,Horse,Chicken,Rabbit |
| Purification: | Purified by Protein A. |

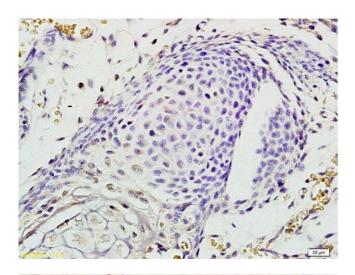
Target Details

| Target: | EPH Receptor A7 (EPHA7) |
|---------------------|---|
| Alternative Name: | EphA7 (EPHA7 Products) |
| Background: | Synonyms: EHK3, EK11, EHK-3, HEK11, Ephrin type-A receptor 7, EPH homology kinase 3, EPH- |
| | like kinase 11, EPHA7 |
| | Background: Receptor tyrosine kinase which binds promiscuously GPI-anchored ephrin-A family |
| | ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into |
| | neighboring cells. The signaling pathway downstream of the receptor is referred to as forward |
| | signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse |
| | signaling. Among GPI-anchored ephrin-A ligands, EFNA5 is a cognate/functional ligand for |
| | EPHA7 and their interaction regulates brain development modulating cell-cell adhesion and |
| | repulsion. Has a repellent activity on axons and is for instance involved in the guidance of |
| | corticothalamic axons and in the proper topographic mapping of retinal axons to the colliculus. |
| | May also regulate brain development through a caspase(CASP3)-dependent proapoptotic |
| | activity. Forward signaling may result in activation of components of the ERK signaling pathway |
| | including MAP2K1, MAP2K2, MAPK1 AND MAPK3 which are phosphorylated upon activation of |
| | EPHA7. |
| Gene ID: | 2045 |
| UniProt: | Q15375 |
| Pathways: | RTK Signaling |
| Application Details | |
| Application Notes: | WB 1:300-5000 |
| | ELISA 1:500-1000 |
| | FCM 1:20-100 |
| | IHC-P 1:200-400 |
| | IHC-F 1:100-500 |
| | IF(IHC-P) 1:50-200 |
| | IF(IHC-F) 1:50-200 |
| | IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |
| Handling | |
| | |

Handling

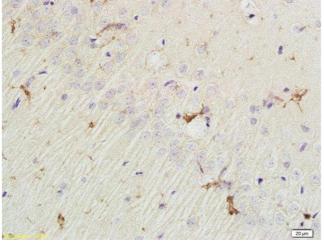
| Concentration: | 1 μg/μL |
|--------------------|--|
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

Images



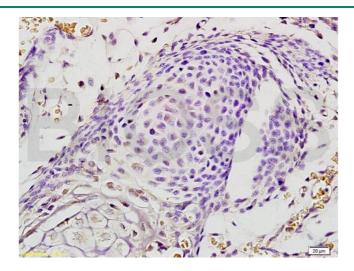
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded mouse embryo labeled with Rabbit Anti EphA7/Eph receptor A7 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti EphA7/Eph receptor A7 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded mouse embryo labeled with Rabbit Anti EphA7/Eph receptor A7 Polyclonal Antibody, Unconjugated (ABIN722005) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the product details page for more images. Overall 6 images are available for ABIN722005.