

EHM2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55052

Specification

EHM2 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession Q9H329

Reactivity Rat, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 100 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human EPB41L4B

Epitope Specificity 351-450/900

Isotype IgG
Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm; cytoskeleton.
SIMILARITY Contains 1 FERM domain.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

Predicted to be a structural constituent of cytoskeleton. Involved in several processes, including positive regulation of cell adhesion; positive regulation of keratinocyte migration; and wound healing. Acts upstream of or within actomyosin structure organization. Located in apical part of cell; cytosol; and plasma membrane. [provided by Alliance of Genome Resources, Apr 2022]

EHM2 Polyclonal Antibody - Additional Information

Gene ID 54566

Other Names

Band 4.1-like protein 4B, Erythrocyte membrane protein band 4.1-like 4B {ECO:0000312|HGNC:HGNC:19818}, FERM-containing protein CG1, Protein EHM2, EPB41L4B (HGNC:19818)

Dilution

WB~~1:1000<br \><span class</pre>

="dilution IHC-P">IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F~~N/A<br \><span class

="dilution_IF">IF \sim 1:50 \sim 200<br \>ICC \sim N/A<br \>E \sim N/A



Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

EHM2 Polyclonal Antibody - Protein Information

Name EPB41L4B (<u>HGNC:19818</u>)

Function

Up-regulates the activity of the Rho guanine nucleotide exchange factor ARHGEF18 (By similarity). Involved in the regulation of the circumferential actomyosin belt in epithelial cells (PubMed:22006950). Promotes cellular adhesion, migration and motility in vitro and may play a role in wound healing (PubMed:23664528). May have a role in mediating cytoskeletal changes associated with steroid- induced cell differentiation (PubMed:14521927).

Cellular Location

Cytoplasm. Cell junction, tight junction Note=Accumulates along apical cell-cell boundaries and is also detected in the cytoplasm in a punctate manner.

Tissue Location

Expressed at higher levels in acute wounds than chronic wounds with increased expression in healing wounds, especially at the leading wound edge (PubMed:23664528). Isoform 1 is highly expressed in brain. Isoform 2 is highly expressed in testis with lower levels in prostate and breast (PubMed:14521927)

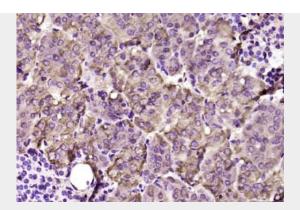
EHM2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

EHM2 Polyclonal Antibody - Images





Paraformaldehyde-fixed, paraffin embedded (mouse adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EHM2) Polyclonal Antibody, Unconjugated (bs-13065R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.