

Anti-EPB41L1 Antibody

Catalog # ABO11575

Product Information

Application	WB
Primary Accession	Q9H4G0
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Band 4.1-like protein 1(EPB41L1) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	2036
Other Names	Band 4.1-like protein 1, Neuronal protein 4.1, 4.1N, EPB41L1, KIAA0338
Calculated MW	98503
Application Details	Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human
Subcellular Localization	Cytoplasm, cytoskeleton.
Tissue Specificity	Highest expression in brain, lower in heart, kidney, pancreas, placenta, lung and skeletal muscle.
Source	Eukaryota
Protein Name	Band 4.1-like protein 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human EPB41L1(585-604aa QDQERDTVFLKDNHLAIERK), different from the related mouse and rat sequences by one amino acid.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated

Sequence Similarities

freezing and thawing.
Contains 1 FERM domain.

Protein Information

Name	EPB41L1 (HGNC:3378)
Function	May function to confer stability and plasticity to neuronal membrane via multiple interactions, including the spectrin-actin-based cytoskeleton, integral membrane channels and membrane-associated guanylate kinases.
Cellular Location	Cytoplasm, cytoskeleton.
Tissue Location	Highest expression in brain, lower in heart, kidney, pancreas, placenta, lung and skeletal muscle

Background

Band 4.1-like protein 1 is a protein that in humans is encoded by the EPB41L1 gene. This gene is mapped to 20q11.23. It is found that a heterozygous missense mutation in the EPB41L1 gene causing nonsyndromic intellectual disability. This gene may function to confer stability and plasticity to neuronal membrane via multiple interactions, including the spectrin-actin-based cytoskeleton, integral membrane channels and membrane-associated guanylate kinases. EPB41L1 has been shown to interact with ITPR1, Dopamine receptor D2, Dopamine receptor D3, CENTG1 and Nuclear mitotic apparatus protein 1.

Images



Anti-EPB41L1 antibody, ABO11575, All Western blotting
All lanes: Anti-EPB41L1(ABO11575) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 40ug
Lane 2: Mouse Brain Tissue Lysate at 40ug
Predicted bind size: 99KD
Observed bind size: 99KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.