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# Anti-EPB41L1 Picoband Antibody

Catalog # ABO11871

## Product Information

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| **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

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| **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 □g/ml, Human, Mouse, Rat |
| **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 Na2HPO4, 0.05mg NaN3. |
| **Immunogen** | E.coli-derived human EPB41L1 recombinant protein (Position: Q691-S881). Human EPB41L1 shares 91% amino acid (aa) sequence identity with both mouse and rat EPB41L1. |
| **Purification** | Immunogen affinity purified. |
| **Cross Reactivity** | No cross reactivity with other proteins |
| **Storage** | At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing. |

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| **Sequence Similarities** | Contains 1 FERM domain. |

## Protein Information

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| **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 |

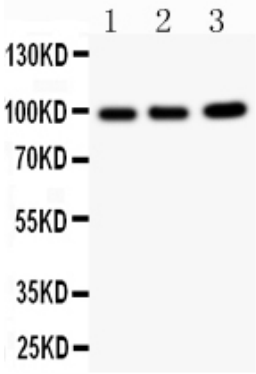
## Background

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. What â€™s more, EPB41L1 is a multifunctional protein that mediates interactions between the erythrocyte cytoskeleton and the overlying plasma membrane.

## Images




Anti- EPB41L1 Picoband antibody, ABO11871, Western blottingAll lanes: Anti EPB41L1 (ABO11871) at 0.5ug/mlWB: Recombinant Human EPB41L1 Protein 0.5ngPredicted bind size: 50KDObserved bind size: 50KD




Anti- EPB41L1 Picoband antibody, ABO11871, Western blottingAll lanes: Anti EPB41L1 (ABO11871) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: A549 Whole Cell Lysate at 40ugPredicted bind size: 98KD Observed bind size: 98KD

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