abcam

Product datasheet

Recombinant Human Ezrin protein ab132943

1 Image

Description

Product name	Recombinant Human Ezrin protein
Expression system	Wheat germ
Accession	P15311
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MPKPINVRVTTMDAELEFAIQPNTTGKQLFDQVVKTIGLRE VWYFGLHYV DNKGFPTWLKLDKKVSAQEVRKENPLQFKFRAKFYPEDV AEELIQDITQK LFFLQVKEGILSDEIYCPPETAVLLGSYAVQAKFGDYNKEV HKSGYLSSE RLIPQRVMDQHKLTRDQWEDRIQVWHAEHRGMLKDNAM LEYLKIAQDLEM YGINYFEIKNKKGTDLWLGVDALGLNIYEKDDKLTPKIGFPW SEIRNISF NDKKFVIKPIDKKAPDFVFYAPRLRINKRILQLCMGNHELYM RRRKPDTI EVQQMKAQAREEKHQKQLERQQLETEKKRRETVEREKE QMMREKEELMLR LQDYEEKTKKAERELSEQIQRALQLEEERKRAQEEAERLE ADRMAALRAK EELERQAVDQIKSQEQLAAELAEYTAKIALLEEARRRKED EVEEWQHRAK EAQDDLVKTKEELHLVMTAPPPPPPPVYEPVSYHVQESL QDEGAEPTGYS AELSSEGIRDDRNEEKRITEAEKNERVQRQLLTLSSELSQ ARDENKRTHN DIIHNENMRQGRDKYKTLRQIRQGNTKQRIDEFEAL
Predicted molecular weight	96 kDa including tags
Amino acids	1 to 586

Specifications

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Our Abpromise guarantee covers the use of **ab132943** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA SDS-PAGE
Form	Liquid
Additional notes	

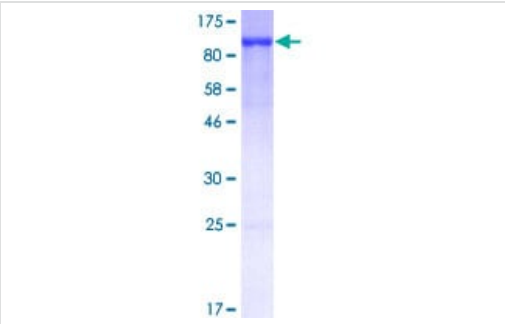
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Probably involved in connections of major cytoskeletal structures to the plasma membrane. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with PLEKHG6, required for normal macropinocytosis.
Tissue specificity	Expressed in cerebral cortex, basal ganglia, hippocampus, hypophysis, and optic nerve. Weakly expressed in brain stem and diencephalon. Stronger expression was detected in gray matter of frontal lobe compared to white matter (at protein level). Component of the microvilli of intestinal epithelial cells. Preferentially expressed in astrocytes of hippocampus, frontal cortex, thalamus, parahippocampal cortex, amygdala, insula, and corpus callosum. Not detected in neurons in most tissues studied.
Sequence similarities	Contains 1 FERM domain.
Developmental stage	Very strong staining is detected in the Purkinje cell layer and in part of the molecular layer of the infant brain compared to adult brain.
Post-translational modifications	Phosphorylated by tyrosine-protein kinases.
Cellular localization	Apical cell membrane. Cell projection. Cell projection > microvillus membrane. Cell projection > ruffle membrane. Cytoplasm > cell cortex. Cytoplasm > cytoskeleton. Localization to the apical membrane of parietal cells depends on the interaction with MPP5. Localizes to cell extensions and peripheral processes of astrocytes (By similarity). Microvillar peripheral membrane protein.

Images



SDS-PAGE - Recombinant Human Ezrin protein (ab132943)

12.5% SDS-PAGE analysis of ab132943 stained with Coomassie Blue

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