



CIB2 rabbit pAb

Cat No.:ES4493

For research use only

Overview

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|---------------------------------|--|
| Product Name | CIB2 rabbit pAb |
| Host species | Rabbit |
| Applications | IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human CIB2. AA range:21-70 |
| Specificity | CIB2 Polyclonal Antibody detects endogenous levels of CIB2 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Calcium and integrin-binding family member 2 |
| Gene Name | CIB2 |
| Cellular localization | Cytoplasm . Cell projection, stereocilium . Photoreceptor inner segment . Cell projection, cilium, photoreceptor outer segment . Cell membrane, sarcolemma . Colocalized with ITGA7 at the myotendinous junctions (MTJ) and at the neuromuscular junctions (NMJ) |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | |
| Human Gene ID | 10518 |
| Human Swiss-Prot Number | O75838 |
| Alternative Names | CIB2; KIP2; Calcium and integrin-binding family member 2; Kinase-interacting protein 2; KIP 2 |
| Background | The protein encoded by this gene is similar to that of KIP/CIB, calcineurin B, and calmodulin. The encoded |

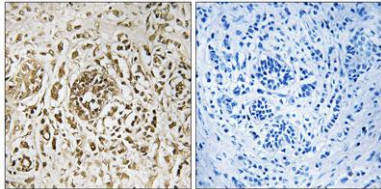




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protein is a calcium-binding regulatory protein that interacts with DNA-dependent protein kinase catalytic subunits (DNA-PKcs), and it is involved in photoreceptor cell maintenance. Mutations in this gene cause deafness, autosomal recessive, 48 (DFNB48), and also Usher syndrome 1J (USH1J). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014],

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using CIB2 Antibody. The picture on the right is blocked with the synthesized peptide.



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