

## CIB2 Polyclonal Antibody

<b>Catalog No :</b>	YT0925
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	CIB2
<b>Gene Name :</b>	CIB2
<b>Protein Name :</b>	Calcium and integrin-binding family member 2
<b>Human Gene Id :</b>	10518
<b>Human Swiss Prot No :</b>	O75838
<b>Mouse Gene Id :</b>	56506
<b>Mouse Swiss Prot No :</b>	Q9Z309
<b>Rat Gene Id :</b>	300719
<b>Rat Swiss Prot No :</b>	Q568Z7
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human CIB2. AA range:21-70
<b>Specificity :</b>	CIB2 Polyclonal Antibody detects endogenous levels of CIB2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Molecularweight :** 22kD

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**Background :** The protein encoded by this gene is similar to that of KIP/CIB, calcineurin B, and calmodulin. The encoded 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],

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**Function :** similarity:Contains 3 EF-hand domains.,tissue specificity:Ubiquitous.,

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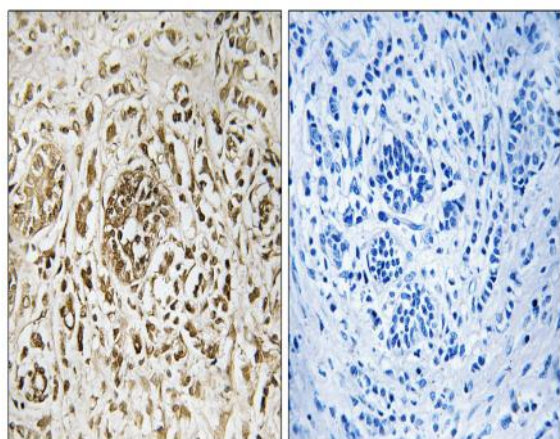
**Subcellular Location :** Cytoplasm . Cell projection, stereocilium . Photoreceptor inner segment . Cell projection, cilium, photoreceptor outer segment . Cell membrane, sarcolemma . Colocalized with ITGA7 at the myotendinous junctions (MTJ) and at the neuromuscular junctions (NMJ) (By similarity). Localizes in the cuticular plate along and at the tip of the stereocilia of vestibular sensory hair cells (PubMed:26173970, PubMed:26426422). .

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**Expression :** Widely expressed (PubMed:23023331).

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## Products Images



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