

Datasheet for ABIN2774681
anti-CACNB4 antibody (Middle Region)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	CACNB4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNB4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CACNB4
Sequence:	FDGRISITRV TADISLAKRS VLNNPSKRAI IERSNTRISS LAEVQSEIER IF
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CACNB4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CACNB4
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Target Details

Alternative Name:	CACNB4 (CACNB4 Products)
Background:	<p>CACNB4 is a member of the beta subunit family of voltage-dependent calcium channel complex proteins. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. CACNB4 plays an important role in calcium channel function by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Certain mutations in this gene have been associated with idiopathic generalized epilepsy (IGE) and juvenile myoclonic epilepsy (JME).</p> <p>Alias Symbols: EA5, EJM, CAB4, EIG9, EJM4, EJM6, CACNLB4</p> <p>Protein Interaction Partner: CBX3, FASLG, REM1, MED31, TBL3, CACNA1A, PTN,</p> <p>Protein Size: 458</p>
Molecular Weight:	50 kDa
Gene ID:	785
NCBI Accession:	NM_000726 , NP_001139270
UniProt:	A7BJ74
Pathways:	cAMP Metabolic Process , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 458 AA
Restrictions:	For Research Use only

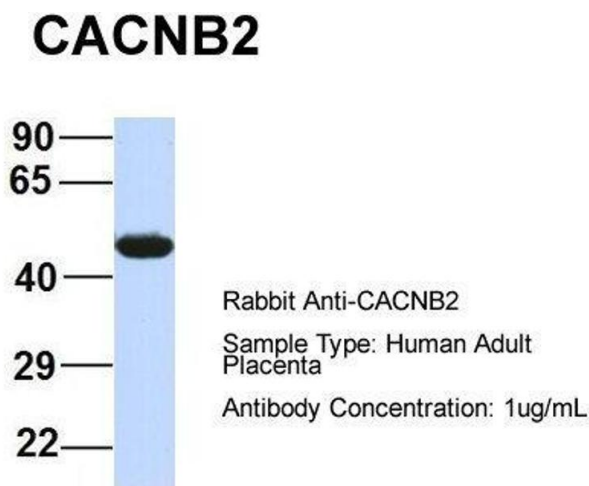
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

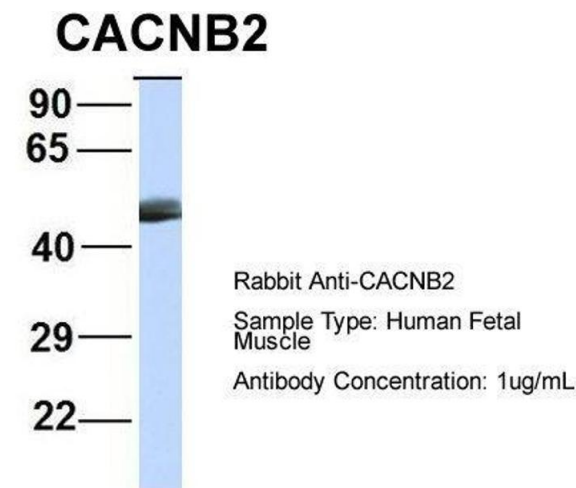
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

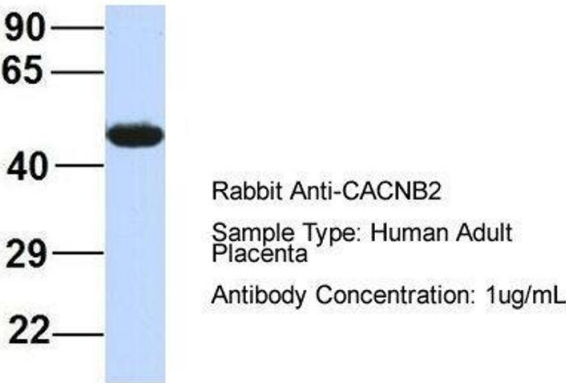
Image 1. Host: Rabbit Target Name: CACNB2 Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml



Western Blotting

Image 2. Host: Rabbit Target Name: CACNB2 Sample Type: Human Fetal Muscle Antibody Dilution: 1.0ug/ml

CACNB2



Western Blotting

Image 3. Host: Rabbit Target Name: CACNB2 Sample Type: Human Adult Placenta Antibody Dilution: 1.0 µg/ml

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2774681.