

CTNNAL1 Rabbit pAb

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Catalog # AP56441

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UBT7
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81896
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CTNNAL1
Epitope Specificity	151-250/743
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein.
SIMILARITY	Belongs to the vinculin/alpha-catenin family.
SUBUNIT	Interacts with ARHGEF1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	CTNNAL1 acts as a scaffold in the Rho signalling pathway. May modulate the Rho pathway signaling by providing a scaffold for the Lbc Rho guanine nucleotide exchange factor. There are three different isoforms.

Additional Information

Gene ID	8727
Other Names	Alpha-catenin, Alpha-catenin-related protein, ACRP, Catenin alpha-like protein 1, CTNNAL1
Target/Specificity	Widely expressed. Expressed at lower level in neural tissues and at the highest level in the adrenal gland.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

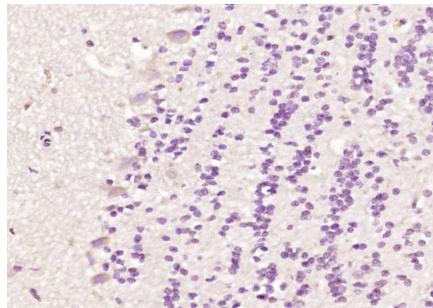
Protein Information

Name	CTNNAL1
Function	May modulate the Rho pathway signaling by providing a scaffold for the Lbc Rho guanine nucleotide exchange factor (ARHGEF1).
Cellular Location	Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein
Tissue Location	Widely expressed. Expressed at lower level in neural tissues and at the highest level in the adrenal gland

Background

CTNNAL1 acts as a scaffold in the Rho signalling pathway. May modulate the Rho pathway signaling by providing a scaffold for the Lbc Rho guanine nucleotide exchange factor. There are three different isoforms.

Images



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CTNNAL1) Polyclonal Antibody, Unconjugated (AP56441) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.