

CTTNBP2 Rabbit pAb

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Catalog # AP55423

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WZ74
Reactivity	Rat
Predicted	Pig, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	181051
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CTTNBP2
Epitope Specificity	1501-1663/1663
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	Cytoplasmic
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein with six ankyrin repeats and several proline-rich regions. A similar gene in rat interacts with a central regulator of the actin cytoskeleton. CTTNBP2 regulates the dendritic spine distribution of CTTN/cortactin in hippocampal neurons, thus controls dendritic spinogenesis and dendritic spine maintenance.

Additional Information

Gene ID	83992
Other Names	Cortactin-binding protein 2, CortBP2, CTTNBP2 (HGNC:15679)
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	CTTNBP2 (HGNC:15679)
Function	Regulates the dendritic spine distribution of CTTN/cortactin in hippocampal

neurons, and thus controls dendritic spinogenesis and dendritic spine maintenance. Associates with the striatin-interacting phosphatase and kinase (STRIPAK) core complex to regulate dendritic spine distribution of the STRIPAK complex in hippocampal neurons.

Cellular Location

Cytoplasm, cell cortex {ECO:0000250|UniProtKB:B9EJA2}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:Q2IBD4}. Note=Remains associated with dendritic spines even after glutamate stimulation {ECO:0000250|UniProtKB:Q2IBD4}

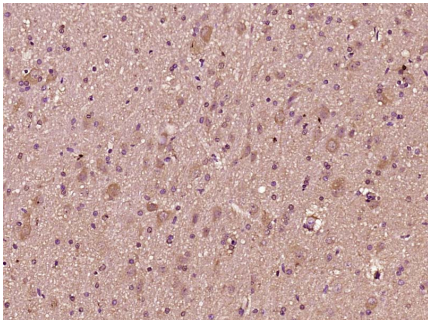
Tissue Location

Highest expression in brain. Also expressed in kidney, pancreas, lung, heart, liver, skeletal muscle and placenta

Background

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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 (CTTNBP2) Polyclonal Antibody, Unconjugated (AP55423) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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