10320 Camino Santa Fe, Suite G
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CB086 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10783b

Specification

CB086 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	O95876
Other Accession	NP_056994.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**85084**
Antigen Region	**676-705**

CB086 Antibody (C-term) - Additional Information

Gene ID 51057

Other Names
WD repeat-containing and planar cell polarity effector protein fritz homolog, hFRTZ, Bardet-Biedl syndrome 15 protein, WD repeat-containing and planar cell polarity effector protein, WDPCP, BBS15, C2orf86, FRITZ

Target/Specificity
This CB086 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 676-705 amino acids from the C-terminal region of human CB086.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CB086 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CB086 Antibody (C-term) - Protein Information

Name WDPCP

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Synonyms BBS15, C2orf86, FRITZ

Function Probable effector of the planar cell polarity signaling pathway which regulates the septin cytoskeleton in both ciliogenesis and collective cell movements. Together with FUZ and WDPCP proposed to function as core component of the CPLANE (ciliogenesis and planar polarity effectors) complex involved in the recruitment of peripheral IFT-A proteins to basal bodies (By similarity).

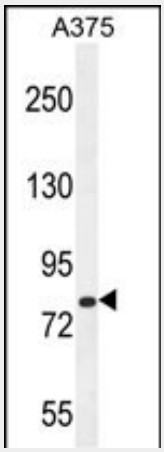
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q32NR9}. Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:Q32NR9} Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q32NR9}

CB086 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

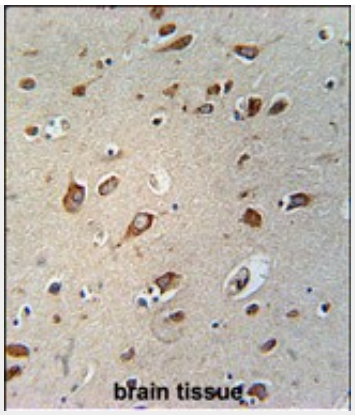
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CB086 Antibody (C-term) - Images



CB086 Antibody (C-term) (Cat. #AP10783b) western blot analysis in A375 cell line lysates (35ug/lane).This demonstrates the CB086 antibody detected the CB086 protein (arrow).

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CB086 Antibody (C-term) (Cat. #AP10783b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CB086 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

CB086 Antibody (C-term) - Background

The C2ORF86 gene encodes an ortholog of Drosophila 'fritz,' a cytoplasmic WD40 repeat protein that controls planar cell polarity (summarized by Kim et al., 2010 [PubMed 20671153]).

CB086 Antibody (C-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Kim, S.K., et al. Science 329(5997):1337-1340(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Eeles, R.A., et al. Nat. Genet. 41(10):1116-1121(2009)
Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008) :