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HRIHFB2025 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9148B

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9Y3M2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14470
Antigen Region	98-126

Additional Information

Gene ID	25776
Other Names	Protein chibby homolog 1, ARPP-binding protein, Cytosolic leucine-rich protein, PIGEA-14, PKD2 interactor, Golgi and endoplasmic reticulum-associated 1, CBY1, ARB1, C22orf2, CBY, PGEA1
Target/Specificity	This HRIHFB2025 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-126 amino acids from the C-terminal region of human HRIHFB2025.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
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	HRIHFB2025 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CBY1
Synonyms	ARB1, C22orf2, CBY, PGEA1
Function	Inhibits the Wnt/Wingless pathway by binding to CTNNB1/beta- catenin and

	inhibiting beta-catenin-mediated transcriptional activation through competition with TCF/LEF transcription factors (PubMed:12712206, PubMed:19435523). Has also been shown to play a role in regulating the intracellular trafficking of polycystin-2/PKD2 and possibly of other intracellular proteins (PubMed:15194699). Promotes adipocyte and cardiomyocyte differentiation (By similarity).
Cellular Location	Nucleus speckle. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Golgi apparatus. Golgi apparatus, trans- Golgi network. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q9D1C2}. Cytoplasm. Nucleus
Tissue Location	Widely expressed. Expressed at higher levels in heart, skeletal muscle, kidney and placenta. Also found in brain, lung, liver and testis. Significantly down-regulated in thyroid and metastatic uterine tumors.

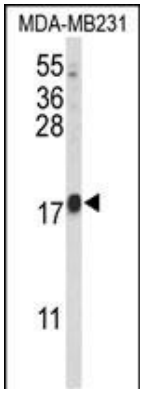
Background

Inhibits the Wnt/Wingless pathway by binding to beta catenin and inhibiting beta catenin mediated transcriptional activation by competing with TCF/LEF transcription factors. Has also been shown to play a role in regulating the intracellular trafficking of polycystin 2/PKD2 and possibly of other intracellular proteins.

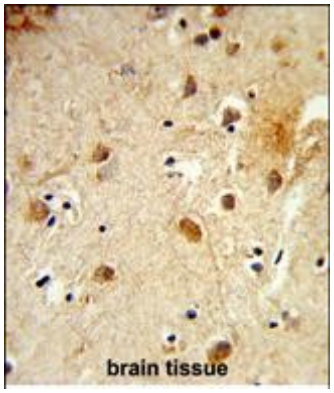
References

Gauci S., et.al., Anal. Chem. 81:4493-4501(2009).

Images

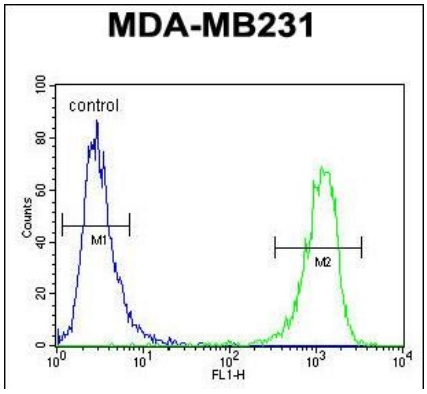


Western blot analysis of HRIHFB2025 Antibody (C-term) (Cat. #AP9148b) in MDA-MB231 cell line lysates (35ug/lane). HRIHFB2025 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with HRIHFB2025 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

HRIHFB2025 Antibody (C-term) (Cat. #AP9148b) flow cytometric analysis of MDA-MB231 cells (right histogram)



compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- Combined Chibby and β-Catenin Predicts Clinical Outcomes in Patients with Hepatocellular Carcinoma
- Identification of cisplatin-resistance related genes in head and neck squamous cell carcinoma.