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HRIHFB2025 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9148b

Specification

HRIHFB2025 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y3M2

HRIHFB2025 Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP9148b was selected from the C-term region of human HRIHFB2025. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HRIHFB2025 Antibody (C-term) Blocking Peptide - 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.

HRIHFB2025 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

HRIHFB2025 Antibody (C-term) Blocking Peptide - Images

HRIHFB2025 Antibody (C-term) Blocking Peptide - 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.

HRIHFB2025 Antibody (C-term) Blocking Peptide - References

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