10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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. Has also been shown to play a role in regulating the intracellular trafficking of polycystin-2/PKD2 and possibly of other intracellular proteins. Promotes adipocyte and cardiomyocyte differentiation.

Cellular Location
Nucleus speckle. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Golgi apparatus. Golgi apparatus, trans-

Golgi network

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).