

MYO5C Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6354a**Specification**

MYO5C Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O9NOX4](#)

MYO5C Antibody (Center) Blocking Peptide - Additional Information

Gene ID 55930

Other Names

Unconventional myosin-Vc, MYO5C

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6354a](/product/products/AP6354a) was selected from the Center region of human MYO5C. 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.

MYO5C Antibody (Center) Blocking Peptide - Protein Information

Name MYO5C

Function

May be involved in transferrin trafficking. Likely to power actin-based membrane trafficking in many physiologically crucial tissues.

Tissue Location

Expressed chiefly in non-neuronal tissues. Particularly abundant in epithelial and glandular tissues including pancreas, prostate, mammary, stomach, colon and lung

MYO5C Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MYO5C Antibody (Center) Blocking Peptide - Images

MYO5C Antibody (Center) Blocking Peptide - Background

The MYO5C gene encodes a 1,742-amino acid protein with a predicted molecular mass of 203 kD that shares approximately 50% identity with family members MYO5A (160777) and MYO5B (606540). The MYO5C protein consists of a motor domain followed by 6 IQ motifs, a coiled-coil region, and a C-terminal globular domain. MYO5C contains a serine residue conserved among all 3 class V myosins whose phosphorylation in MYO5A regulates melanosome binding; however, MYO5C does not contain the PEST region present in MYO5A and MYO5B. Myo5c was found specifically in the apical regions of intestinal epithelial cells and in exocrine pancreas.

MYO5C Antibody (Center) Blocking Peptide - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Bement, W.M., et al., Proc. Natl. Acad. Sci. U.S.A. 91(14):6549-6553 (1994). Rodriguez, O.C., et al., J. Cell. Sci. 115 (Pt 5), 991-1004 (2002) (): ().