

ACTG2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13537b**Specification**

ACTG2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P63267](#)

ACTG2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 72

Other Names

Actin, gamma-enteric smooth muscle, Alpha-actin-3, Gamma-2-actin, Smooth muscle gamma-actin, ACTG2, ACTA3, ACTL3, ACTSG

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13537b was selected from the C-term region of ACTG2. 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.

ACTG2 Antibody (C-term) Blocking peptide - Protein Information

Name ACTG2

Synonyms ACTA3, ACTL3, ACTSG

Function

Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

Cellular Location

Cytoplasm, cytoskeleton.

Tissue Location

In the intestine, abundantly expressed in smooth muscle cells of muscularis mucosa and muscularis propria. Also detected in intestinal vascular smooth muscle cells

ACTG2 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ACTG2 Antibody (C-term) Blocking peptide - Images

ACTG2 Antibody (C-term) Blocking peptide - Background

Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 2, encoded by this gene, is a smooth muscle actin found in enteric tissues.

ACTG2 Antibody (C-term) Blocking peptide - References

Sun, Q., et al. J. Biol. Chem. 284(47):32582-32590(2009) Laasanen, J., et al. Fetal. Diagn. Ther. 23(1):36-40(2008) Goldberg, M.T., et al. J. Invest. Dermatol. 127(11):2645-2655(2007) Yonemoto, S., et al. Clin. Exp. Nephrol. 10(3):186-192(2006) Chang, K.W., et al. Hepatol. Res. 36(1):33-39(2006)