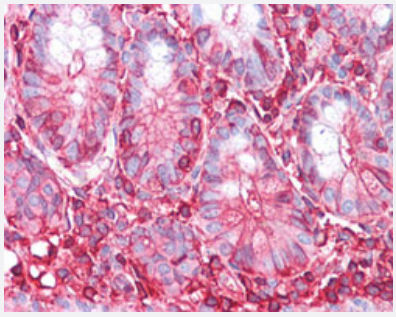
ACTG1 monoclonal antibody, clone 2A3

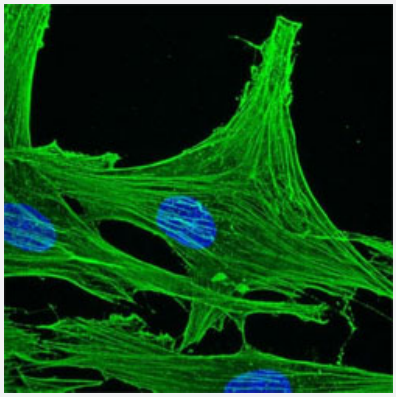
Catalog # MAB12987 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human small intestine with ACTG1 monoclonal antibody, clone 2A3 (Cat # MAB12987) at 5 ug/mL working concentration.



Immunocytochemistry

Immunocytochemistry staining of methanol fixed human dermal fibroblasts with ACTG1 monoclonal antibody, clone 2A3 (Cat # MAB12987) at 1:500 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human ACTG1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to acetylated N-terminus region of human ACTG1.
Sequence	Ac-EEEIAALVI-COOH
Host	Mouse
Reactivity	Human

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Form	Liquid
Purification	Protein G purification
Isotype	IgG2b
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunohistochemistry (Frozen sections) (1:100-1:500) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human small intestine with ACTG1 monoclonal antibody, clone 2A3 (Cat # MAB12987) at 5 ug/mL working concentration.

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

  Immunocytochemistry staining of methanol fixed human dermal fibroblasts with ACTG1 monoclonal antibody, clone 2A3 (Cat # MAB12987) at 1:500 dilution.

- Flow Cytometry

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

Gene Info — ACTG1

Entrez GeneID	71

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Protein Accession#	P63261
Gene Name	ACTG1
Gene Alias	ACT, ACTG, DFNA20, DFNA26
Gene Description	actin, gamma 1
Omim ID	102560 604717
Gene Ontology	Hyperlink
Gene Summary	Actins are highly conserved proteins that are involved in various types of cell motility, and mainten ance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gam ma 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 component s of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 1, encoded by this g ene, is a cytoplasmic actin found in nonmuscle cells. [provided by RefSeq
Other Designations	actin, cytoplasmic 2|actin, gamma 1 propeptide|cytoskeletal gamma-actin

Pathway

- Adherens junction
- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Focal adhesion
- Hypertrophic cardiomyopathy (HCM)
- Leukocyte transendothelial migration
- Pathogenic Escherichia coli infection - EHEC
- Regulation of actin cytoskeleton
- Tight junction
- Vibrio cholerae infection

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