

ACTG2 rabbit monoclonal antibody

Catalog # H00000072-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ACTG2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ACTG2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ACTG2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ACTG2

Entrez GeneID [72](#)

GeneBank Accession# [ACTG2](#)

Gene Name ACTG2

Gene Alias ACT, ACTA3, ACTE, ACTL3, ACTSG

Gene Description actin, gamma 2, smooth muscle, enteric

Omim ID [102545](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations actin, gamma 2|actin-like protein|alpha-actin 3|smooth muscle gamma actin

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Cholestasis](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)