

# ACTG2 rabbit monoclonal antibody

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

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human ACTG2 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human ACTG2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human ACTG2 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	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) <sub>2</sub> , 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	<a href="#">72</a>
GeneBank Accession#	<a href="#">ACTG2</a>
Gene Name	ACTG2
Gene Alias	ACT, ACTA3, ACTE, ACTL3, ACTSG
Gene Description	actin, gamma 2, smooth muscle, enteric
Omim ID	<a href="#">102545</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)