

ACTG2 mouse monoclonal antibody (hybridoma)

Catalog # H00000072-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ACTG2.
Immunogen	ACTG2 (NP_001606.1, 1 a.a. ~ 376 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MCEEETALVCDNGSGLCKAGFAGDDAPRAVFPSVGRPRHQGVVMGMGQKDSYVGDEAQS KRGILTLKYPIEHGIITNWDDMEKWHHSFYNELRVAPEEHPTLLTEAPLNPKANREKMTQIMFET FNPAMYVAIQAVLSLYASGRRTTGVLDSGDGVTHNVPIYEGYALPHAIMRLDLAGRDLTDYLMKIL TERGYSFVTTAEREIMRDIKEKLCYALDFENEMATAASSSSLEKSYELPDGQVITIGNERFRCP ETLFSFIGMESAGIHETTYNSIMKCDIDIRKDLYANNVLSGGTTMYPGIADRMQKEITALAPST MKIKIAPPERKYSVWIGGSILASLSTFQQMWISKPEYDEAGPSVHRKCF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ACTG2

Entrez GeneID	72
GeneBank Accession#	NM_001615.3
Protein Accession#	NP_001606.1
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](#)