

ACTG2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50866**Specification**

ACTG2 Antibody - Product Information

Application	WB, IHC
Primary Accession	P63267
Reactivity	Human, Mouse, Rat, Chicken, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42; [uniprot]42,37; [CST]45; KDa
Antigen Region	1-100/376

ACTG2 Antibody - 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

Dilution

WB~~ 1:500<br \>IHC~~1:100-1:500

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

ACTG2 Antibody - 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

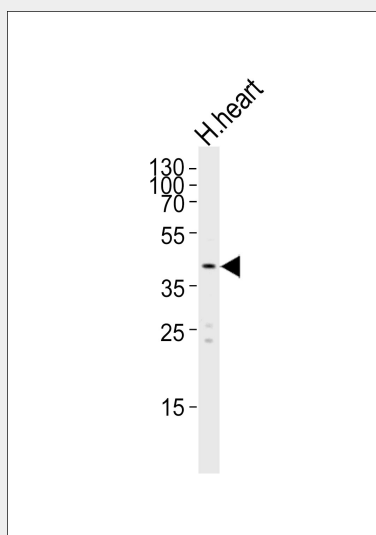
muscularis propria. Also detected in intestinal vascular smooth muscle cells

ACTG2 Antibody - Protocols

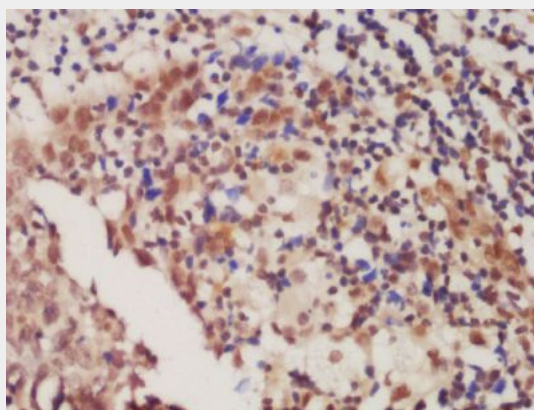
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACTG2 Antibody - Images



Western blot analysis of lysate from human heart tissue lysate, using ACTG2 Antibody (AP50866). AP50866 was diluted at 1:500. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.



Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer at 37°C for 20 min; Incubation:

Anti-ACTG2 Polyclonal Antibody, Unconjugated 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

ACTG2 Antibody - Background

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

ACTG2 Antibody - References

Miwa T., et al. Nucleic Acids Res. 18:4263-4263(1990).
Miwa T., et al. Mol. Cell. Biol. 11:3296-3306(1991).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Hillier L.W., et al. Nature 434:724-731(2005).