

For Research Use Only

ACTG2 Polyclonal antibody

Catalog Number: 31849-1-AP



Basic Information

Catalog Number:

31849-1-AP

Size:

150ul , Concentration: 230 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36024

GenBank Accession Number:

BC094877

GeneID (NCBI):

72

UNIPROT ID:

P63267

Full Name:

actin, gamma 2, smooth muscle, enteric

Calculated MW:

42 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, mouse skeletal muscle tissue, HepG2 cells, mouse stomach tissue, rat skeletal muscle tissue

Background Information

Actin gamma 2 (ACTG2, also known as ACT, ACTE, VSCM, ACTA3, ACTL3, and ACTSG) is a highly conserved protein involved in various types of cell motility and ubiquitously expressed in all eukaryotic cells. ACTG2 mutations would cause congenital distended bladder, microcolon, and intestinal hypoperistalsis (PMID: 24337657). It also has been reported that ACTG2 promotes hepatocellular carcinoma (HCC) migration and invasion through the Notch1 signaling pathway, which might serve as a new intervention target for the treatment of HCC (PMID: 28385530).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

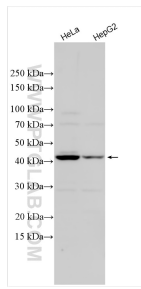
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31849-1-AP (ACTG2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.