ARPC2 Antibody

PACO18583

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:1000-1:2000, WB:1:200-1:1000, IHC:1:25-1:100

Protein Background:

Serine/threonine kinase which is involved in the regulation of apoptosis, autophagy, transcription, translation, actin cytoskeleton reorganization, cell motility, smooth muscle contraction, and mitosis, particularly cytokinesis. Regulates both type I apoptotic and type II autophagic cell deaths signal, depending on the cellular setting. The former is caspase-dependent, while the latter is caspase-independent and is characterized by the accumulation of autophagic vesicles. Regulates myosin phosphorylation in both smooth muscle and non-muscle cells. In smooth muscle, regulates myosin either directly by phosphorylating MYL12B and MYL9 or through inhibition of smooth muscle myosin phosphatase (SMPP1M) via phosphorylation of PPP1R12A, and the inhibition of SMPP1M functions to enhance muscle responsiveness to Ca2+ and promote a contractile state. Enhances transcription from AR-responsive promoters in a hormone- and kinase-dependent manner. Phosphorylates STAT3 and enhances its transcriptional activity.

Gene ID:

ARPC2

Uniprot

O15144

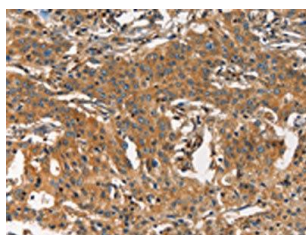**Synonyms:**

actin related protein 2/3 complex, subunit 2, 34kDa

Immunogen:
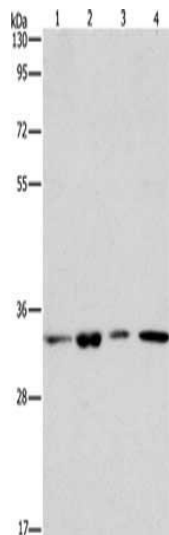
Synthetic peptide of human ARPC2.

Storage:

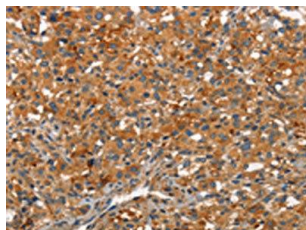-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product Images

The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using PACO18583(ARPC2 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).

Gel: 8%SDS-PAGE, Lysate: 40 μ g, Lane 1-4: 231 cells, human fetal brain tissue, NIH/3T3 cells, PC3 cells, Primary antibody: PACO18583(ARPC2 Antibody) at dilution 1/350, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 40 seconds.

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PACO18583(ARPC2 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).