

Goat anti-ARPC1A Antibody

Item Number	dAP-2605
Target Molecule	Principle Name: ARPC1A; Official Symbol: ARPC1A; All Names and Symbols: ARPC1A; actin related protein 2/3 complex, subunit 1A, 41kDa; Arc40; SOP2Hs; SOP2L; OTTHUMP00000206034; SOP2-like protein; actin binding protein (<i>Schizosaccharomyces pombe</i> sop2-like); actin-related protein 2/3 complex subunit 1A; Accession Number (s): NP_006400.2; NP_001177925.1; Human Gene ID(s): 10552; Non-Human GenelD(s): 56443 (mouse) 81824 (rat)
Immunogen	DFKTLESSIQGLR, is from C Terminus This antibody is expected to recognize both reported isoforms (NP_006400.2; NP_001177925.1). No cross-reactivity expected with ARPC1B.
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Approx 45kDa band observed in lysates of cell line HeLa (calculated MW of 41.6kDa according to NP_006400.2). Approx 37kDa band observed in fetal Mouse Brain and adult Rat Brain lysates (calculated MW of 41.6kDa according to Mouse NP_062741).
IHC	Immunohistochemistry: Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.
Reference	Reference(s): Laurila E, Savinainen K, Kuuselo R, Karhu R, Kallioniemi A. Characterization of the 7q21-q22 amplicon identifies ARPC1A, a subunit of the Arp2/3 complex, as a regulator of cell migration and invasion in pancreatic cancer. <i>Genes Chromosomes Cancer</i> . 2009 Apr;48(4):330-9.. PMID: 19145645->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**