



Anti-ARPC2 monoclonal antibody, clone 6D9 (DCABH-10617)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p34 subunit, has yet to be determined. Two alternatively spliced variants have been characterized to date. Additional alternatively spliced variants have been described but their full length nature has not been determined.
Immunogen	ARPC2 (AAH00590, 1 a.a. ~ 300 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Clone	6D9
Conjugate	Unconjugated
Applications	Western Blot (Cell lysate); Western Blot (Recombinant protein); Sandwich ELISA (Recombinant protein); ELISA
Sequence Similarities	MILLEVNNRIIEETLALKFENAAAGNKPEAVEVTFADFDGVLYHISNPNGDKTKVMVSIS LKFYKELQAHGADPELLKRVYGSFLVNPESGYNVSLLYDLENLPASKDSIVHQAGMLKRNC FASVFEKYFQFQEEGKEGENRAVIHYRDEETMYVESKKDRVTVVSTVFKDDDDVVIGKV FMQEFKEGRRASHTAPQVLFSSHREPPLELKDTDAAVGDNIGYITFVLFPRHTNASARDNT INLIHTFRDYLYHYHI
Buffer	In 1x PBS, pH 7.4

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ARPC2 actin related protein 2/3 complex, subunit 2, 34kDa [Homo sapiens]
Official Symbol	ARPC2
Synonyms	ARPC2; actin related protein 2/3 complex, subunit 2, 34kDa; actin related protein 2/3 complex, subunit 2 (34 kD); actin-related protein 2/3 complex subunit 2; ARC34; p34 Arc; arp2/3 complex 34 kDa subunit; ARP2/3 protein complex subunit 34; PRO2446; p34-Arc; PNAS-139;
Entrez Gene ID	10109
Protein Refseq	NP_005722
UniProt ID	O15144
Chromosome Location	2q36.1
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDC42 signaling events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem;
Function	actin binding; protein binding; structural constituent of cytoskeleton;