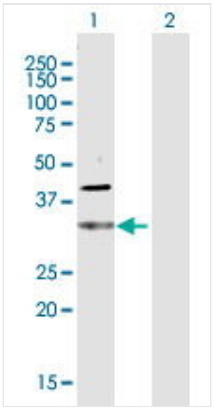
CDC34 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDC34, Polyclonal Antibody
Full Product Name	CDC34 (Cell Division Cycle 34 Homolog (S. cerevisiae), E2-CDC34, UBC3, UBE2R1) (FITC)
Product Gene Name	anti-CDC34 antibody
Product Synonym Names	Cell Division Cycle 34 Homolog (S. cerevisiae); E2-CDC34; UBC3; UBE2R1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes human CDC34.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
OMIM	116948
3D Structure	ModBase 3D Structure for P49427
Immunogen	CDC34 (NP_004350.1, 1aa-236aa) full-length human protein.
Immunogen Sequence	MARPLVPSSQKALLLELKGLQEEPVEGFRVTLVDEGDLYNWEVAIFGPPNTYYEGGYFKARLKFPIDYPYSPPAFRFLTKMWHPNIYETGDVCISILHPPVD
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-CDC34 antibody	Antibodies; Cell Division Cycle (CDC)
Applications Tested/Suitable for anti-CDC34 antibody	Western Blot (WB)
Application Notes for anti-CDC34 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CDC34 antibody	The protein encoded by this gene is a member of the ubiquitin-conjugating enzyme family. Ubiquitin-conjugating enzyme catalyzes the covalent attachr replication. [provided by RefSeq]

Other Notes	Small volumes of anti-CDC34 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for CDC34 purchase	MBS6450643 is an antibody targeting CDC34. Also known as CDC34 (Cell Division Cycle 34 Homolog (S. cerevisiae), E2-CDC34, UBC3, UBE2R1) (F



Western Blot (WB) of anti-CDC34 antibody
Western Blot analysis of CDC34 expression in transfected 293T cell line by CDC34 MaxPab polyclonal antibody.Lane 1: CDC34 transfected lysate(26.70 KDa).Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDC34. It may not necessarily be applicable to this product.

NCBI GI #	16357477
NCBI GeneID	997
NCBI Accession #	NP_004350.1
UniProt Primary Accession #	P49427
UniProt Related Accession #	P49427
GenBank Nucleotide #	NP_004350.1
NCBI Official Full Name	ubiquitin-conjugating enzyme E2 R1
NCBI Official Synonym Full Names	cell division cycle 34, ubiqiutin conjugating enzyme
NCBI Official Symbol	CDC34
NCBI Official Synonym Symbols	UBC3; UBCH3; UBE2R1; E2-CDC34
UniProt Protein Name	Ubiquitin-conjugating enzyme E2 R1
UniProt Synonym Protein Names	Ubiquitin-conjugating enzyme E2-32 kDa complementing; Ubiquitin-conjugating enzyme E2-CDC34; Ubiquitin-protein ligase R1
Protein Family	Ubiquitin-conjugating enzyme
UniProt Gene Name	CDC34
UniProt Synonym Gene Names	UBCH3; UBE2R1
UniProt Entry Name	UB2R1_HUMAN
NCBI Protein Information	ubiquitin-conjugating enzyme E2 R1

UniProt Comments for CDC34	CDC34: a member of the ubiquitin-conjugating enzyme family. Is a part of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex which is required for ubiquitin-mediated degradation of cell cycle G1 regulators. Required for the initiation of DNA replication. Protein type: Ligase; Ubiquitin ligase; Ubiquitin conjugating system; EC 6.3.2.19 Chromosomal Location of Human Ortholog: 19p13.3 Cellular Component: nucleoplasm; cytoplasm; nucleus Molecular Function: protein binding; small conjugating protein ligase activity; ubiquitin protein ligase binding; ubiquitin-protein ligase activity; ATP binding; ligase activity Biological Process: proteasomal ubiquitin-dependent protein catabolic process; protein polyubiquitination; DNA replication initiation; positive regulation of neuron apoptosis; protein modification process; protein ubiquitination; G1/S transition of mitotic cell cycle
Research Articles on CDC34	**1.** study finds that mutation of the catalytically active cysteine to serine (C93S) results in the reduced ubiquitination, increased stability, and attenuated degradation rate of CDC34; Through semi-quantitative proteomics, identified the CDC34-interacting proteins and discovered that the wild-type and mutant proteins have many differentially interacted proteins
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