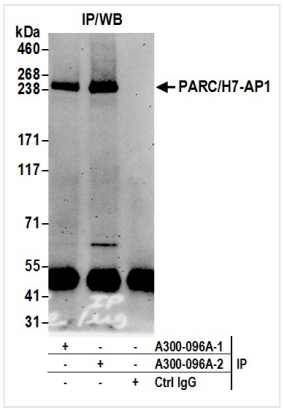
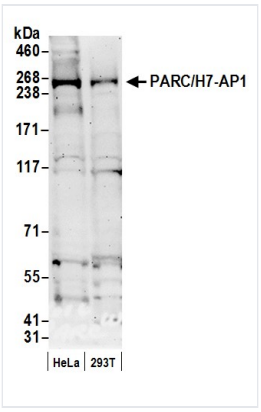
PARC/H7-AP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PARC/H7-AP1, Polyclonal Antibody
Full Product Name	Rabbit anti-PARC/H7-AP1 Antibody, Affinity Purified
Product Gene Name	anti-PARC/H7-AP1 antibody
Product Synonym Gene Name	CUL9
Product Synonym Names	parkin-like cytoplasmic p53 binding protein; UbcH7-associated protein 1; PARC; H7AP1; cullin-9; CUL-9; p53-associated parkin-like cytoplasmic protein; Cullin-9; cullin 9
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	1000ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	268,362 Da
OMIM	607489
3D Structure	ModBase 3D Structure for Q8IWT3
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Product Categories/Family for anti-PARC/H7-AP1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-PARC/H7-AP1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-PARC/H7-AP1 antibody	WB: 1:1000-1:5000 (3-8% Tris-acetate gel recommended) IP: 6ug/mg lysate
Related Product Information for anti-PARC/H7-AP1 antibody	PARC is a member of the cullin family of proteins that act as scaffolds to bring together ubiquitin E3 ligases, E2 conjugating enzyme, and substrate proteins to mediate the ubiquitination of substrate proteins. PARC is highly homologous to and can form heterodimers with CUL7 (cullin 7). PARC/H7 interacts with p53 and was initially thought to have a role in the sequestration of p53 to the cytoplasm. Recent studies demonstrate that PARC may not influence p53 function or localization, but rather p53 may serve to regulate PARC/H7-AP1 function.
Other Notes	Small volumes of anti-PARC/H7-AP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PARC/H7-AP1 purchase	MBS3900758 is an antibody targeting PARC/H7-AP1. Also known as Rabbit anti-PARC/H7-AP1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Immunoprecipitation (IP) of anti-PARC/H7-AP1 antibody
Detection of human PARC/H7-AP1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PARC/H7-AP1 antibody MBS3900758 (lot MBS3900758-2) used for IP at 6 ug per reaction. PARC/H7-AP1 was also immunoprecipitated by a previous lot of this antibody MBS3900758-1. For blotting immunoprecipitated PARC/H7-AP1, MBS3900758 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Western Blot (WB) of anti-PARC/H7-AP1 antibody
Detection of human PARC/H7-AP1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PARC/H7-AP1 antibody MBS3900758 (lot MBS3900758-2) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PARC/H7-AP1. It may not necessarily be applicable to this product.

NCBI GI #	24307991
NCBI GeneID	23113
NCBI Accession #	NP_055904.1
UniProt Primary Accession #	Q8IWT3
UniProt Secondary Accession #	O75188; Q5TCY3; Q68CP2; Q68D92; Q8N3W9; Q9BU56
UniProt Related Accession #	Q8IWT3
GenBank Nucleotide #	NM_015089.3
NCBI Official Full Name	cullin-9
NCBI Official Synonym Full Names	cullin 9
NCBI Official Symbol	CUL9
NCBI Official Synonym Symbols	PARC; H7AP1
UniProt Protein Name	Cullin-9
UniProt Synonym Protein Names	UbcH7-associated protein 1; p53-associated parkin-like cytoplasmic protein
UniProt Gene Name	CUL9
UniProt Synonym Gene Names	H7AP1; KIAA0708; PARC; CUL-9
UniProt Entry Name	CUL9_HUMAN
NCBI Protein Information	cullin-9; CUL-9; UbcH7-associated protein 1; parkin-like cytoplasmic p53 binding protein; p53-associated parkin-like cytoplasmic protein

UniProt Comments for PARC/H7-AP1	PARC: Cytoplasmic anchor protein in p53-associated protein complex. Regulates the subcellular localization of p53 and subsequent function. Seems to be part of an atypical cullin-RING- based E3 ubiquitin-protein ligase complex. In vitro, complexes of CUL9/PARC with either CUL7 or TP53 contain E3 ubiquitin-protein ligase activity. Belongs to the cullin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ligase; Ubiquitin ligase; Ubiquitin conjugating system; EC 6.3.2.- Chromosomal Location of Human Ortholog: 6p21.1 Cellular Component: cullin-RING ubiquitin ligase complex; cytoplasm Molecular Function: protein binding; zinc ion binding; ubiquitin protein ligase binding; ATP binding Biological Process: ubiquitin-dependent protein catabolic process; regulation of mitosis; protein ubiquitination; microtubule cytoskeleton organization and biogenesis
Research Articles on PARC/H7-AP1	**1.** the regulation of p53 subcellular localization and apoptosis by PARC as a contributing factor in CDDP resistance in OVCA cells and Ca(2+)/calpain in PARC post-translational processing and chemosensitivity.
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