

For Research Use Only

CDC34 Polyclonal antibody

Catalog Number: 10964-2-AP **3 Publications**



Basic Information

Catalog Number: 10964-2-AP	GenBank Accession Number: BC009850	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 997	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	UNIPROT ID: P49427	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: cell division cycle 34 homolog (S. cerevisiae)	IHC 1:20-1:200
Immunogen Catalog Number: AG1438	Calculated MW: 34 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB: human pancreas tissue, human brain tissue
Cited Applications: WB	IP: mouse testis tissue, HEK-293 cells
Species Specificity: human, mouse, rat	IHC: human prostate cancer tissue,
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

CDC34 is also named as UBC3, UBE2R1 (Ubiquitin-conjugating enzyme E2 R1) and belongs to the ubiquitin-conjugating enzyme family. Cdc34 enzyme is itself a substrate for the type of polyubiquitin modification that is known to cause targeting of proteins for degradation. It is phosphorylated in vivo, providing yet another potential means for control of its activity. And the predominantly nuclear localization of this enzyme suggests that substrate molecules relevant to its cell cycle function are similarly located within the nucleus (PMID:8164658). Human CDC34 could substitute efficiently for yeast CDC34 (PMID:8248134). It can form a homodimer (PMID:8383676). This antibody can also recognize CDC34B (UBC3B) which is highly homologous to UBC3 (CDC34) with only 47 amino acid differences.

Notable Publications

Author	Pubmed ID	Journal	Application
Muyu Xu	36275929	Biochem Biophys Rep	WB
Fabienne C Fiesel	24928900	J Cell Sci	WB
Stephen Gray	32640224	Cell Rep	WB

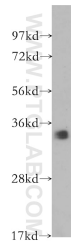
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

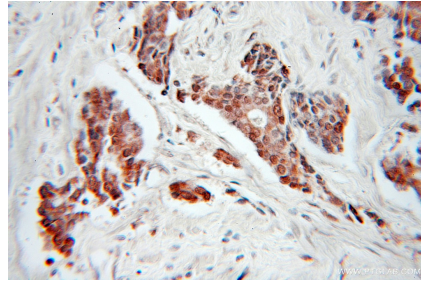
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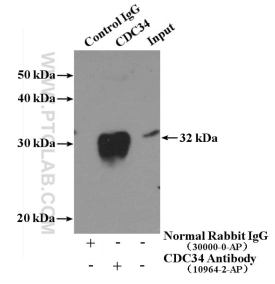
Selected Validation Data



human pancreas tissue were subjected to SDS PAGE followed by western blot with 10964-2-AP (CDC34 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10964-2-AP (CDC34 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-CDC34 (IP:10964-2-AP, 4ug; Detection:10964-2-AP 1:500) with mouse testis tissue lysate 4000ug.