

## UBC9 rabbit pAb

<b>Catalog No :</b>	YT7966
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	UBC9
<b>Fields :</b>	>>Nucleocytoplasmic transport;>>NF-kappa B signaling pathway;>>Ubiquitin mediated proteolysis;>>MicroRNAs in cancer
<b>Gene Name :</b>	UBE2I UBC9 UBCE9
<b>Protein Name :</b>	UBC9
<b>Human Gene Id :</b>	7329
<b>Human Swiss Prot No :</b>	P63279
<b>Mouse Gene Id :</b>	100044900
<b>Mouse Swiss Prot No :</b>	P63280
<b>Rat Gene Id :</b>	25573
<b>Rat Swiss Prot No :</b>	P63281
<b>Immunogen :</b>	Synthesized peptide derived from human UBC9
<b>Specificity :</b>	This antibody detects endogenous levels of Human UBC9
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000 ELISA 1:5000-20000

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	17kD
<b>Background :</b>	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. Four alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:ATP + SUMO + protein lysine = AMP + diphosphate + protein N-SUMOyllysine.,function:Accepts the ubiquitin-like proteins SUMO1, SUMO2, SUMO3 and SUMO4 from the UBLE1A-UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2 or CBX4. Essential for nuclear architecture and chromosome segregation.,pathway:Protein modification; protein sumoylation.,similarity:Belongs to the ubiquitin-conjugating enzyme family.,subunit:Interacts with HIPK1, HIPK2 and PPM1J (By similarity). Forms a tight complex with RANGAP1 and RANBP2. Interacts with SIAH1 and PARP. Interacts with various transcription factors such as TCF3, TFAP2A, TFAP2B, TFAP2C, AR, ETS1 and SOX4. Interacts with human adenovirus E1A and human herpesvirus 6 IE2. Interacts with RWDD3; the interaction enhances the sumoylation of a number of proteins such as HIF1A
<b>Subcellular Location :</b>	Nucleus . Cytoplasm . Cytoplasm, perinuclear region . Mainly nuclear (By similarity). In spermatocytes, localizes in synaptonemal complexes (PubMed:8610150). Recruited by BCL11A into the nuclear body (By similarity). .
<b>Expression :</b>	Expressed in heart, skeletal muscle, pancreas, kidney, liver, lung, placenta and brain. Also expressed in testis and thymus.

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