

Mouse Ubc9 Monoclonal Antibody | anti-Ubc9 antibody

Anti-Ubc9 Mouse mAb

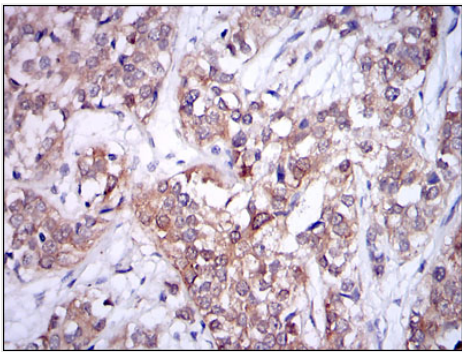
CATALOG # AAA14109	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

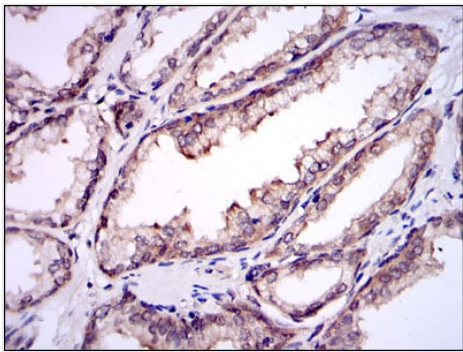
Ubc9; Monoclonal Antibody; Anti-Ubc9 Mouse mAb; C358B7.1; p18; SUMO 1 protein ligase; SUMO conjugating enzyme UBC9; SUMO-conjugating enzyme UBC9; SUMO-protein ligase; SUMO1 protein ligase; UBC9; UBC9_HUMAN; UBCE9; Ube2i; Ubiquitin carrier protein 9; Ubiquitin carrier protein; Ubiquitin carrier protein I; Ubiquitin conjugating enzyme 9; Ubiquitin conjugating enzyme E2I (homologous to yeast UBC9); Ubiquitin conjugating enzyme E2I (UBC9 homolog; yeast); Ubiquitin conjugating enzyme UbcE2A; Ubiquitin like protein SUMO 1 conjugating enzyme; Ubiquitin protein ligase E2I; Ubiquitin-conjugating enzyme E2 I; Ubiquitin-protein ligase I; anti-Ubc9 antibody

PRODUCT SPECIFICATIONS

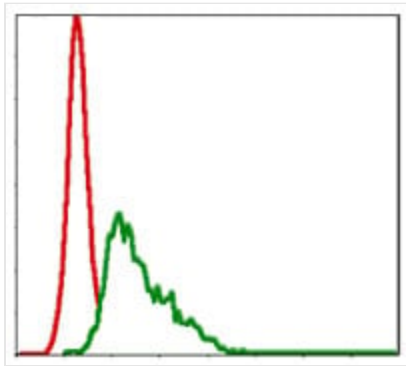
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1D6-D9-E7
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	158
Applicable Applications for anti-Ubc9 antibody	WB (Western Blot)
Immunogen	Purified recombinant fragment of human UBE2I expressed in E Coli.
Sequence Similarities	Belongs to the ubiquitin-conjugating enzyme family.
Subunit Structure	Interacts with SETX (PubMed:24105744). Interacts with HIPK1, HIPK2, PPM1J, RASD2 and TCF3 Interacts with NR2C1; the interaction promotes its sumoylation (By similarity). Forms a tight complex with RANGAP1 and RANBP2. Interacts with SIAH1 and PARP. Interacts with various transcription factors such as TFAP2A, TFAP2B, TFAP2C, AR, ETS1 and SOX4. Interacts with RWDD3; the interaction enhances the sumoylation of a number of proteins such as HIF1A and I-kappa-B. Interacts with DNMT1. Interacts with FOXL2. Forms a complex with SENP6 and UBE2I in response to UV irradiation. Interacts with human herpesvirus 6 IE2. Interacts with human adenovirus early E1A protein; this interaction interferes with polysumoylation (Probable). Interacts with DNM1L (via its GTPase and B domains); the interaction promotes sumoylation of DNM1L, mainly in its B domain. Interacts with PML-RARA oncoprotein (via the coiled-coiled domain); the interaction is required for sumoylation of the PML-RARA oncoprotein. Interacts with IPO13. Interacts with NFATC2IP; this inhibits formation of poly-SUMO chains. Interacts with FHIT. Interacts with PRKRA and p53/TP53 (By similarity). Interacts with UHRF2. Interacts with NR3C1 and this interaction is enhanced in the presence of RWDD3. Interacts with MTA1. Interacts with ZNF451. Identified in a complex with SUMO2 and UBC9, where one ZNF451 interacts with one UBC9 and two SUMO2 chains, one bound to the UBC9 active site and the other to another region of the same UBC9 molecule. Interacts with Epstein-barr virus protein LMP1. Interacts with CPEB3 (By similarity).
Subcellular Location	Cytoplasm



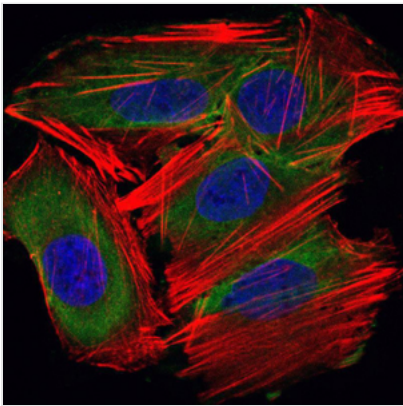
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using UBE2I mouse mAb with DAB staining.



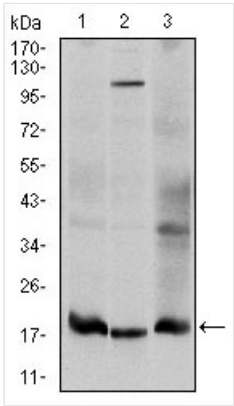
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded prostate tissues using UBE2I mouse mAb with DAB staining.



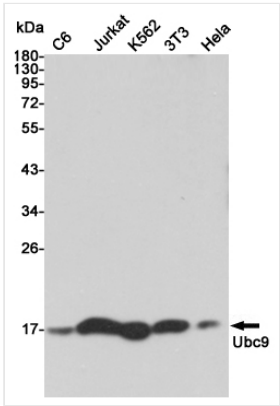
FCM (Flow Cytometry)
Flow cytometric analysis of HepG2 cells using UBE2I mouse mAb (green) and negative control (red).



IF (Immunofluorescence)
Immunofluorescence analysis of HepG2 cells using UBE2I mouse mAb (green). Blue



WB (Western Blot)
Western blot analysis using UBE2I mouse mAb against HeLa (1), HepG2 (2), and Cos7 (3) cell lysate.



WB (Western Blot)
Western blot detection of Ubc9 in C6, Jurkat, K562, 3T3 and HeLa cell lysates using Ubc9 mouse mAb (1:2000 diluted). Predicted band size: 18KDa. Observed band size: 17KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Ubc9 antibody	Entrez Summary: 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] UniPort Summary 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, CBX4 and ZNF451. Can catalyze the formation of poly-SUMO chains. Necessary for sumoylation of FOXL2 and KAT5. Essential for nuclear architecture and chromosome segregation. Sumoylates p53/TP53 at Lys-386.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507785
NCBI GeneID	7329
NCBI Accession #	NP_003336.1
NCBI GenBank Nucleotide #	NM_003345.4
UniProt Accession #	P63279; P50550; Q15698; Q59GX1; Q86VB3; D3DU69
Molecular Weight	17kDa
NCBI Official Full Name	SUMO-conjugating enzyme UBC9
NCBI Official Synonym Full Names	ubiquitin conjugating enzyme E2 I
NCBI Official Symbol	UBE2I
NCBI Official Synonym Symbols	P18; UBC9; C358B7.1
NCBI Protein Information	SUMO-conjugating enzyme UBC9
UniProt Protein Name	SUMO-conjugating enzyme UBC9
UniProt Gene Name	UBE2I
UniProt Synonym Gene Names	UBC9; UBCE9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ubc9-antibody-clone-1d6-d9-e7-western-blot-elisa/14109>