

Rabbit UBE2I UBC9 Polyclonal Antibody | anti-UBE2I UBC9 antibody

Anti-UBE2I UBC9 Antibody

CATALOG # AAA124939	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

UBE2I UBC9; Polyclonal Antibody; Anti-UBE2I UBC9 Antibody; SUMO-conjugating enzyme UBC9; Ubiquitin conjugating enzyme E2 I; anti-UBE2I UBC9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized
Sequence Length	158
Applicable Applications for anti-UBE2I UBC9 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human UBE2I UBC9 (NIQDPAQAEAYTIYCQNRVEYEKRVRAQAKKFAPS).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use an Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC-P.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohiostchemistry)

Figure 3. IHC analysis of UBE2I UBC9 using anti-UBE2I UBC9 antibody.UBE2I UBC9 was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-UBE2I UBC9 antibody.UBE2I UBC9 was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-UBE2I UBC9 antibody.UBE2I UBC9 was detected in paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-UBE2I UBC9 antibody.UBE2I UBC9 was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-UBE2I UBC9 antibody.UBE2I UBC9 was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-UBE2I UBC9 antibody.UBE2I UBC9 was detected in paraffin-embedded section of human gastric cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-UBE2I UBC9 antibody.UBE2I UBC9 was detected in paraffin-embedded section of human glioma tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-UBE2I UBC9 Antibody overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of UBE2I UBC9 using anti-UBE2I UBC9 antibody.Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human K562 whole cell lysate,Lane 2: human HepG2 whole cell lysate,Lane 3: rat kidney tissue lysates,Lane 4: rat spleen tissue lysates,Lane 5: rat ovary tissue lysates,Lane 6: mouse spleen tissue lysates,Lane 7: mouse ovary tissue lysates,Lane 8: mouse liver tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-UBE2I UBC9 antigen affinity purified polyclonal antibody at 0.5 ug/ml overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for UBE2I UBC9 at approximately 18KD. The expected band size for UBE2I UBC9 is at 18KD.

ADDITIONAL INFORMATION

Related Product Information for anti-UBE2I UBC9 antibody	Description: Rabbit IgG polyclonal antibody for UBE2I UBC9 detection. Tested with WB, IHC-P in Human; Mouse; Rat. Background: SUMO-conjugating enzyme UBC9 (UBE2I), also called UBC9, is a protein that in humans is encoded by the UBE2I gene. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. It is mapped to 16p13.3. UBC9 could fully complement the mutant phenotype of a yeast ubc9 mutant strain. This gene may play a similar role via interaction with WT1, which is able to impose a block to cell cycle progression in eukaryotic cells. What's more, it could support the growth of yeast ubc9 temperature-sensitive mutants at nonpermissive temperatures, indicating that the gene is a functional homolog of yeast ubc9. UBC9 is specifically associated with FHIT, such as FHIT may be involved in cell cycle control through its interaction with UBC9.
References	1. Shi, Y., Zou, M., Farid, N. R., Paterson, M. C. Association of FHIT (fragile histidine triad), a candidate tumour suppressor gene, with the ubiquitin-conjugating enzyme hUBC9. Biochem. J. 352: 443-448, 2000. 2. Wang, Z.-Y., Qiu, Q.-Q., Seufert, W., Taguchi, T., Testa, J. R., Whitmore, S. A., Callen, D. F., Welsh, D., Shenk, T., Deuel, T. F. Molecular cloning of the cDNA and chromosome localization of the gene for human ubiquitin-conjugating enzyme 9. J. Biol. Chem. 271: 24811-24816, 1996. 3. Watanabe TK, Fujiwara T, Kawai A, Shimizu F, Takami S, Hirano H, Okuno S, Ozaki K, Takeda S, Shimada Y, Nagata M, Takaichi A, Takahashi E, Nakamura Y, Shin S (March 1996). "Cloning, expression, and mapping of UBE2I, a novel gene encoding a human homologue of yeast ubiquitin-conjugating enzymes which are critical for regulating the cell cycle". Cytogenet Cell Genet 72 (1): 86-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507785
NCBI GeneID	7329

NCBI Accession #	NP_003336.1
NCBI GenBank Nucleotide #	NM_003345.5
UniProt Accession #	P63279 ; P50550 ; Q15698 ; Q59GX1 ; Q86VB3 ; D3DU69
Molecular Weight	18,007 Da
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/polyclonal/ube2i-ubc9-antibody-immunohistochemistry-western-blot-elisa/124939>