

Rabbit UBC9 (UBE2I) Polyclonal Antibody | anti-UBE2I antibody

UBC9 (UBE2I) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284221	Rabbit	Human (Predicted Reactivity: Zebrafish, Chicken, Mouse, Rat, Xenopus)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

UBC9 (UBE2I); Polyclonal Antibody; UBC9 (UBE2I) Antibody (N-term); SUMO-conjugating enzyme UBC9; 632-; SUMO-protein ligase; Ubiquitin carrier protein 9; Ubiquitin carrier protein I; Ubiquitin-conjugating enzyme E2 I; Ubiquitin-protein ligase I; p18; UBE2I; UBC9; UBCE9; anti-UBE2I antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Zebrafish, Chicken, Mouse, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This UBC9 (UBE2I) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human UBC9 (UBE2I).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	158
Applicable Applications for anti-UBE2I antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of UBE2I (arrow) using rabbit polyclonal UBE2I Antibody (S7). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the UBE2I gene.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-UBE2I Antibody (N-term) in A2058 cell line lysates (35ug/lane).
UBE2I(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-UBE2I antibody	UBE2I (Ubc9) is a member of the E2 family and is specific for the conjugation of SUMO to a variety of target proteins. SUMO conjugation to target proteins is mediated by a different, but analogous, pathway to ubiquitinylation. This E2 is unusual in that it interacts directly with protein substrates that are modified by sumoylation, and may play a role in substrate recognition. UBE2I can mediate the conjugation of SUMO-1 to a variety of proteins including RanGAP1, I?B?, and PML without the requirement of an E3 ligase. UBE2I is essential for nuclear architecture and chromosome segregation.
Product Categories/Family for anti-UBE2I antibody	Cell Biology; Metabolism
References	Biochem Biophys Res Commun. 2002 Aug 30;296(4):870-6. Genomics. 1996 Oct 15;37(2):183-6. Cytogenet Cell Genet. 1996;75(4):222-3. Cytogenet Cell Genet. 1996;72(1):86-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507785
NCBI GeneID	7329
NCBI Accession #	NP_003336.1; NP_919235.1; NP_919236.1; NP_919237.1
NCBI GenBank Nucleotide #	NM_003345.4
UniProt Accession #	P63279; P50550; Q15698; Q59GX1; Q86VB3; D3DU69
Molecular Weight	18007
NCBI Official Full Name	SUMO-conjugating enzyme UBC9
NCBI Official Synonym Full Names	ubiquitin-conjugating enzyme E2I
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
UniProt Entry Name	UBC9_HUMAN

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.