

**Goat anti-UBE2I, Biotinylated Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4362a****Specification**

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**Goat anti-UBE2I, Biotinylated Antibody - Product Information**

Application	WB, IHC, ICC, Pep-ELISA
Primary Accession	<a href="#">P63279</a>
Other Accession	<a href="#">NP_003336.1</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	18007

**Goat anti-UBE2I, Biotinylated Antibody - Additional Information****Gene ID** 7329**Other Names**

UBE2I; ubiquitin-conjugating enzyme E2I; C358B7.1; P18; UBC9; SUMO-1-protein ligase; SUMO-protein ligase; ubiquitin carrier protein 9; ubiquitin carrier protein I; ubiquitin conjugating enzyme 9; ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast); ubi

**Dilution**

WB~~1:1000  
IHC~~1:100~500  
ICC~~N/A  
Pep-ELISA~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

Reported variants represent identical protein: NP\_919237.1, NP\_003336.1, NP\_919236.1, NP\_919235.1

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-UBE2I, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-UBE2I, Biotinylated Antibody - Protein Information**

**Name** UBE2I

**Synonyms** UBC9, UBCE9

**Function**

Accepts the ubiquitin-like proteins SUMO1, SUMO2, SUMO3, SUMO4 and SUMO1P1/SUMO5 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'. Mediates sumoylation of ERCC6 which is essential for its transcription-coupled nucleotide excision repair activity (PubMed:<a href="http://www.uniprot.org/citations/26620705" target="\_blank">26620705</a>).

**Cellular Location**

Nucleus. Cytoplasm Cytoplasm, perinuclear region Note=Mainly nuclear (By similarity). In spermatocytes, localizes in synaptonemal complexes (PubMed:8610150). Recruited by BCL11A into the nuclear body (By similarity). {ECO:0000250|UniProtKB:P63280, ECO:0000269|PubMed:8610150}

**Tissue Location**

Expressed in heart, skeletal muscle, pancreas, kidney, liver, lung, placenta and brain. Also expressed in testis and thymus.

**Goat anti-UBE2I, Biotinylated Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-UBE2I, Biotinylated Antibody - Images**