

# Goat anti-UBE2I, Biotinylated Antibody

Peptide-affinity purified goat antibody  
Catalog # AF4362a

## Product Information

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<b>Application</b>	WB, IHC, ICC, Pep-ELISA
<b>Primary Accession</b>	<a href="#">P63279</a>
<b>Other Accession</b>	<a href="#">NP_003336.1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Goat
<b>Clonality</b>	Polyclonal
<b>Clone Names</b>	UBE2I
<b>Calculated MW</b>	18007

## Additional Information

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<b>Gene ID</b>	7329
<b>Other Names</b>	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
<b>Dilution</b>	WB~~1:1000 IHC~~1:100~500 ICC~~N/A Pep-ELISA~~N/A
<b>Format</b>	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.
<b>Immunogen</b>	Reported variants represent identical protein: NP_919237.1, NP_003336.1, NP_919236.1, NP_919235.1
<b>Storage</b>	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.
<b>Precautions</b>	Goat anti-UBE2I, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	UBE2I
<b>Synonyms</b>	UBC9, UBCE9
<b>Function</b>	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:[26620705](#)). Sumoylates SHMT1 at 'Lys-38' or 'Lys-39' leading to RAN-dependent nuclear import of SHMT1 (PubMed:[17446168](#)). Also sumoylates TYMS and DHFR (PubMed:[18067453](#)).

**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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.