

UBE2I / UBC9 Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS14650**Specification**

UBE2I / UBC9 Antibody (N-Terminus) - Product Information

Application	IHC
Primary Accession	P63279
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Hamster, Monkey, Chicken, Horse, Xenopus, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	18kDa KDa

UBE2I / UBC9 Antibody (N-Terminus) - Additional Information**Gene ID** 7329**Other Names**

SUMO-conjugating enzyme UBC9, 6.3.2.-, SUMO-protein ligase, Ubiquitin carrier protein 9, Ubiquitin carrier protein I, Ubiquitin-conjugating enzyme E2 I, Ubiquitin-protein ligase I, p18, UBE2I, UBC9, UBCE9

Target/Specificity

Human UBE2I / UBC9. This antibody is expected to recognize all reported isoforms (NP_003336.1, NP_919235.1, NP_919236.1 and NP_919237.1).

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

UBE2I / UBC9 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2I / UBC9 Antibody (N-Terminus) - 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:26620705).

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

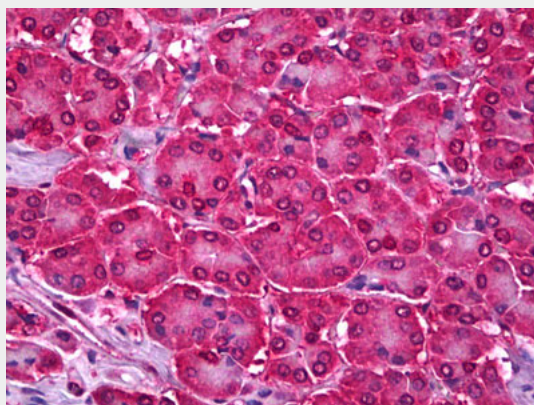
Expressed in heart, skeletal muscle, pancreas, kidney, liver, lung, placenta and brain. Also expressed in testis and thymus.

UBE2I / UBC9 Antibody (N-Terminus) - 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](#)

UBE2I / UBC9 Antibody (N-Terminus) - Images



Anti-UBE2I antibody IHC of human pancreas.

UBE2I / UBC9 Antibody (N-Terminus) - Background

Accepts the ubiquitin-like proteins SUMO1, SUMO2, SUMO3 and SUMO4 from the UBE1A-UBE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2 or CBX4. 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'.

UBE2I / UBC9 Antibody (N-Terminus) - References

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Kovalenko O.V.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:2958-2963(1996).