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Datasheet for ABIN387910  
**anti-UBE2I antibody (N-Term)**

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### Overview

Quantity:	400 µL
Target:	UBE2I
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UBE2I antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	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).
Clone:	RB2811
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, C, M, Rat, X
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

### Target Details

Target:	UBE2I
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## Target Details

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Alternative Name:	UBC9 (UBE2I) ( <a href="#">UBE2I Products</a> )
Background:	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 ubiquitylation. 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.
Molecular Weight:	18007
Gene ID:	7329
NCBI Accession:	<a href="#">NP_003336</a> , <a href="#">NP_919235</a> , <a href="#">NP_919236</a> , <a href="#">NP_919237</a>
UniProt:	<a href="#">P63279</a>
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Ubiquitin Proteasome Pathway</a>

## Application Details

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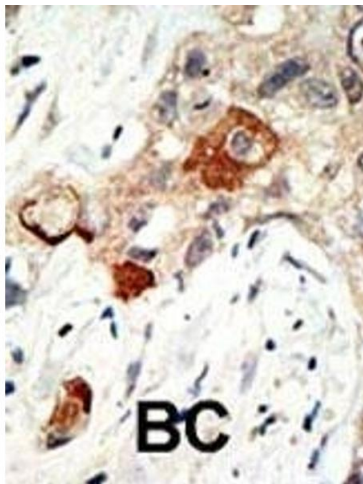
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

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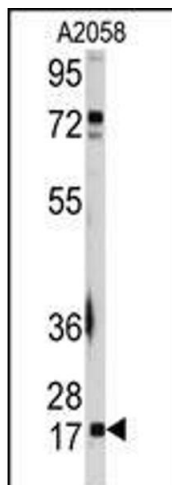
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	6 months

Product cited in: Wang, Liu, Zhao, Song, Wang, Wang, Sun: "Phosphorylation of CDK2 on threonine 160 influences silencing of sex chromosome during male meiosis." in: **Biology of reproduction**, Vol. 90, Issue 6, pp. 138, (2014) ([PubMed](#)).



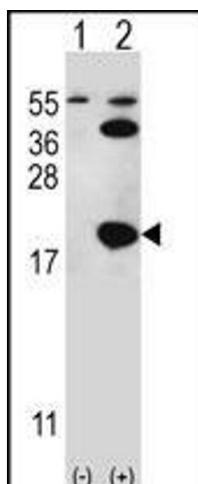
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** 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.



#### Western Blotting

**Image 2.** Western blot analysis of anti-UBE2I Antibody (N-term) (ABIN387910 and ABIN2844306) in cell line lysates (35 µg/lane). UBE2I (arrow) was detected using the purified Pab.



#### Western Blotting

**Image 3.** Western blot analysis of UBE2I (arrow) using rabbit polyclonal UBE2I Antibody (S7) (ABIN387910 and ABIN2844306). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the UBE2I gene.