

# UBCH9 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2170a

## Product Information

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Application	WB, IHC-P, E
Primary Accession	<a href="#">Q969T4</a>
Other Accession	<a href="#">P52483</a> , <a href="#">Q2T9X7</a>
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB4431
Calculated MW	22913
Antigen Region	10-40

## Additional Information

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Gene ID	10477
Other Names	Ubiquitin-conjugating enzyme E2 E3, UbcH9, Ubiquitin carrier protein E3, Ubiquitin-conjugating enzyme E2-23 kDa, Ubiquitin-protein ligase E3, UBE2E3, UBCE4, UBCH9
Target/Specificity	This UBCH9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-40 amino acids from the N-terminal region of human UBCH9.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	UBCH9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	UBE2E3 ( <a href="#">HGNC:12479</a> )
Synonyms	UBCE4, UBCH9

<b>Function</b>	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination. Participates in the regulation of transepithelial sodium transport in renal cells.
<b>Cellular Location</b>	Nucleus. Cytoplasm. Note=Shuttles between the nucleus and cytoplasm in a IPO11-dependent manner
<b>Tissue Location</b>	Ubiquitously expressed at low levels. Highly expressed in skeletal muscle.

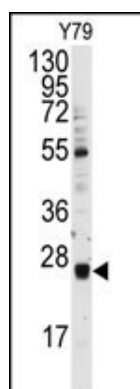
## Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. UBCH9 is a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 100% sequence identity with the mouse and rat counterparts, which indicates that this enzyme is highly conserved in eukaryotes. Two alternatively spliced transcript variants encoding the same protein have been found.

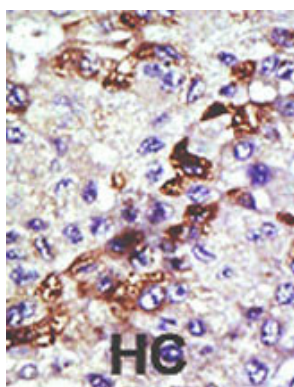
## References

Ito, K., et al., Cytogenet. Cell Genet. 84 (1-2), 99-104 (1999).

## Images



Western blot analysis of anti-UBCH9 Antibody (N-term) (Cat.#AP2170a) in Y79 cell line lysates (35ug/lane). UBCH9 (arrow) was detected using the purified Pab.



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.

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