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UBCH9 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2170a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q969T4
Other Accession	P52483, Q2T9X7
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB4431
Calculated MW	22913
Antigen Region	10-40

Additional Information

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

Name	UBE2E3 (HGNC:12479)
Synonyms	UBCE4, UBCH9

Function	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.
Cellular Location	Nucleus. Cytoplasm. Note=Shuttles between the nucleus and cytoplasm in a IPO11-dependent manner
Tissue Location	Ubiquitously expressed at low levels. Highly expressed in skeletal muscle.

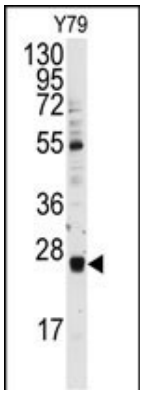
Background

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.

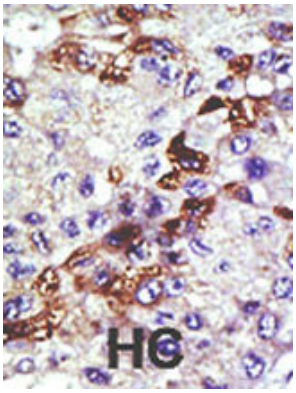
References

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'.