

UBE2W Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13607b

Specification

UBE2W Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O96B02
Other Accession	B5DEI4 , Q8VDW4 , A6H795 , Q1JPX4 , NP_001001481.1 , NP_060769.3
Reactivity	Human, Mouse, Rat
Predicted	Zebrafish, Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	105-133

UBE2W Antibody (C-term) - Additional Information

Gene ID 55284

Other Names

Ubiquitin-conjugating enzyme E2 W, N-terminus-conjugating E2, Ubiquitin carrier protein W, Ubiquitin-conjugating enzyme 16, UBC-16, Ubiquitin-protein ligase W, UBE2W, UBC16

Target/Specificity

This UBE2W antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 105-133 amino acids from the C-terminal region of human UBE2W.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

UBE2W Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2W Antibody (C-term) - Protein Information

Name UBE2W

Synonyms UBC16

Function Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed:[20061386](#), PubMed:[21229326](#)). Specifically monoubiquitinates the N-terminus of various substrates, including ATXN3, MAPT/TAU, POLR2H/RPB8 and STUB1/CHIP, by recognizing backbone atoms of disordered N-termini (PubMed:[23560854](#), PubMed:[23696636](#), PubMed:[25436519](#)). Involved in degradation of misfolded chaperone substrates by mediating monoubiquitination of STUB1/CHIP, leading to recruitment of ATXN3 to monoubiquitinated STUB1/CHIP, and restriction of the length of ubiquitin chain attached to STUB1/CHIP substrates by ATXN3. After UV irradiation, but not after mitomycin-C (MMC) treatment, acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway (PubMed:[19111657](#), PubMed:[21229326](#)). In vitro catalyzes 'Lys-11'-linked polyubiquitination. UBE2W-catalyzed ubiquitination occurs also in the presence of inactive RING/U-box type E3s, i.e. lacking the active site cysteine residues to form thioester bonds with ubiquitin, or even in the absence of E3, albeit at a slower rate (PubMed:[25436519](#)).

Cellular Location

Nucleus. Note=In the nucleus, colocalizes with FANCL.

Tissue Location

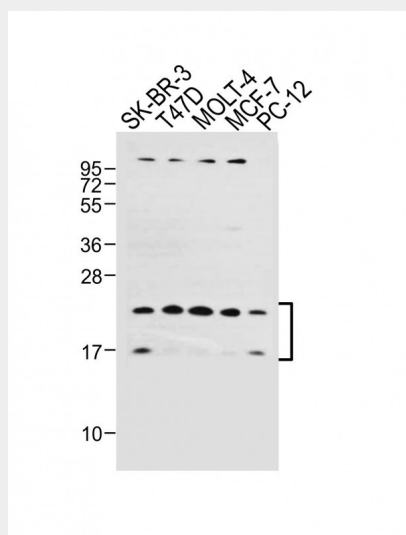
Widely expressed, with highest expression in brain, liver, pancreas and heart.

UBE2W Antibody (C-term) - Protocols

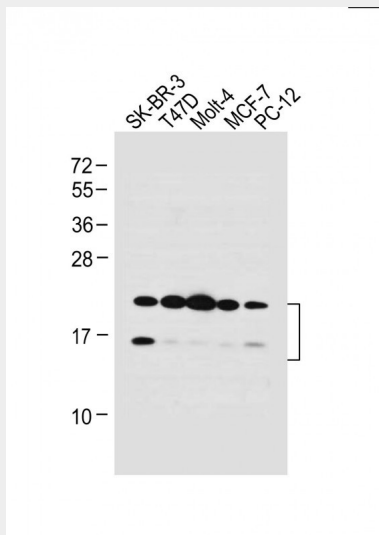
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

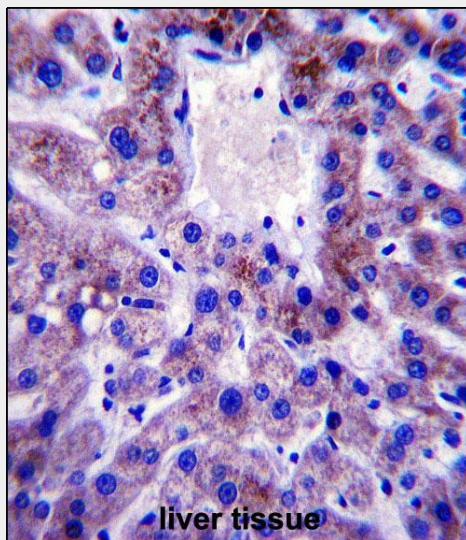
UBE2W Antibody (C-term) - Images



All lanes : Anti-UBE2W Antibody (C-term) at 1:1000 dilution Lane 1: SK-BR-3 whole cell lysate Lane 2: T47D whole cell lysate Lane 3: MOLT-4 whole cell lysate Lane 4: MCF-7 whole cell lysate Lane 5: PC-12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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UBE2W Antibody (C-term) (Cat. #AP13607b) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of UBE2W Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

UBE2W Antibody (C-term) - Background

UBE2W accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes monoubiquitination and 'Lys-11'-linked polyubiquitination.

UBE2W Antibody (C-term) - References

Markson, G., et al. Genome Res. 19(10):1905-1911(2009)
van Wijk, S.J., et al. Mol. Syst. Biol. 5, 295 (2009) :
Yin, G., et al. Front. Biosci. 11, 1500-1507 (2006) :