

Product datasheet for **AP11229PU-N**

Ubiquitin (UBB) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human Ubiquitin.
Specificity:	This antibody is specific to Ubiquitin (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ubiquitin B
Database Link:	Entrez Gene 7314 Human P0CG47



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Background:

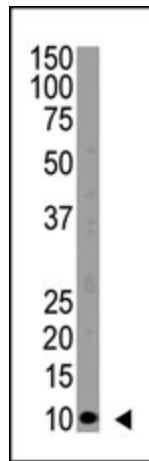
This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin is required for ATP-dependent, nonlysosomal intracellular protein degradation of abnormal proteins and normal proteins with a rapid turnover. Ubiquitin is covalently bound to proteins to be degraded, and presumably labels these proteins for degradation. Ubiquitin also binds to histone H2A in actively transcribed regions but does not cause histone H2A degradation, suggesting that ubiquitin is also involved in regulation of gene expression. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. Aberrant form of this protein has been noticed in patients with Alzheimer's and Down syndrome.

Synonyms:

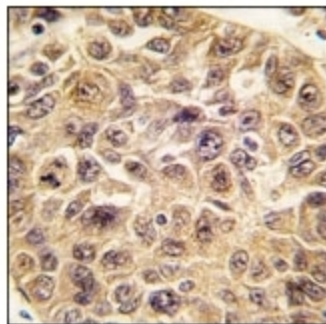
UBB, Polyubiquitin-B

Note:

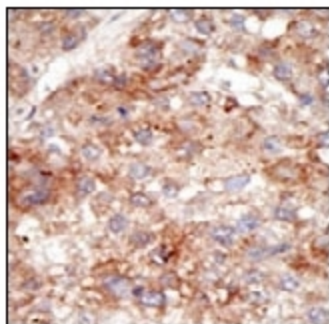
Predicted MW: 8.565 kDa

Product images:

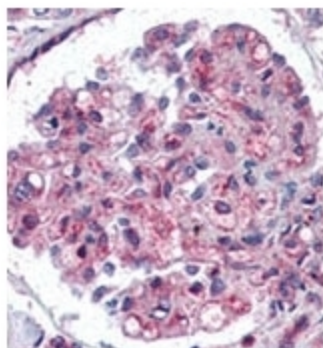
Western blot: Ubiquitin antibody staining of HeLa cell lysate. Ubiquitin (Arrow) was detected using purified Pab. Secondary HRP-anti-Rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry: Ubiquitin antibody staining of Formalin-Fixed, Paraffin-Embedded Human hepatocarcinoma tissue which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. Clinical relevance has not been evaluated.



Immunohistochemistry: Ubiquitin antibody staining of Formalin-Fixed, Paraffin-Embedded Human cancer tissue which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. Clinical relevance has not been evaluated.



Immunohistochemistry: Ubiquitin antibody staining of Formalin-Fixed, Paraffin-Embedded Mouse Kidney tissue which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. Clinical relevance has not been evaluated.