

Product datasheet for **TA303818**

Ubiquitin (UBB) Rabbit Monoclonal Antibody [Clone ID: EP296YT]

Product data:

Product Type:	Primary Antibodies
Clone Name:	EP296YT
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000 - 1:10000; IHC-P: 1:250 - 1:500
Reactivity:	Mouse, Rat, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues in the C-term of human Ubiquitin was used as immunogen.
Formulation:	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	8 kDa
Gene Name:	ubiquitin B
Database Link:	NP_061828 Entrez Gene 22187 Mouse Entrez Gene 192255 Rat Entrez Gene 7314 Human POCG47



[View online »](#)

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:

HEL-S-50

Note:

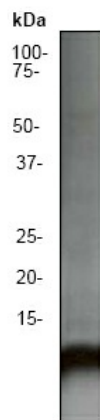
Is unsuitable for Flow Cyt, ICC/IF or IP.

Protein Families:

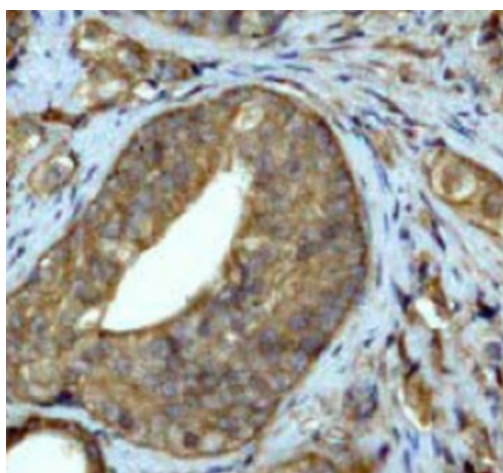
Druggable Genome

Protein Pathways:

Parkinson's disease

Product images:

Western blot - Ubiquitin antibody [EP296YT]; Anti-Ubiquitin antibody [EP296YT] at 1/2000 dilution + Hela cell lysate. Predicted band size : 8 kDa. Observed band size : 8.5 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Ubiquitin antibody [EP296YT]; TA303818 at a 1:250 dilution staining Ubiquitin in human prostate adenocarcinoma using Immunohistochemistry, Paraffin Embedded Tissue.