

Ubiquitin Polyclonal Antibody

Catalog Number PA5-11325

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	Dilution * 1:50-1:100
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 36-66 amino acids from the C-terminal region of human Ubiquitin	Immunocytochemistry (ICC/IF)	1:10-1:50
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Purification	Size-exclusion - Dialysis, Ammonium sulfate precipitation		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine, chicken, canine, equine, hamster, mouse, porcine, non-human primate, rat, rabbit and Xenopus and yeast based on sequence homology.

Background/Target Information

Ubiquitin, a highly conserved protein that has a major role in targeting cellular proteins for degradation by the 26S proteasome, is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin fused to an unrelated protein. This gene encodes a fusion protein consisting of ubiquitin at the N terminus and ribosomal protein S27a at the C terminus. When expressed in yeast, the protein is post-translationally processed, generating free ubiquitin monomer and ribosomal protein S27a. Ribosomal protein S27a is a component of the 40S subunit of the ribosome and belongs to the S27AE family of ribosomal proteins. It contains C4-type zinc finger domains and is located in the cytoplasm. Pseudogenes derived from this gene are present in the genome. As with ribosomal protein S27a, ribosomal protein L40 is also synthesized as a fusion protein with ubiquitin; similarly, ribosomal protein S30 is synthesized as a fusion protein with the ubiquitin-like protein fubi. Multiple alternatively spliced transcript variants that encode the same proteins have been identified.

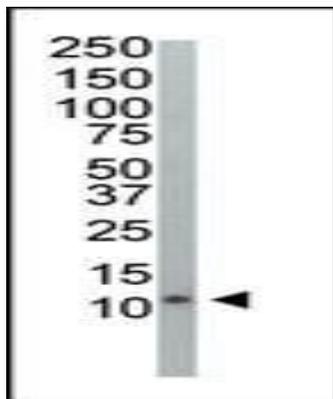
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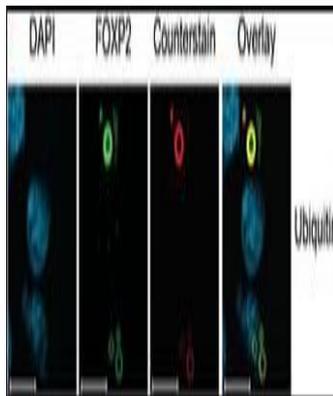
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Product Images For Ubiquitin Polyclonal Antibody



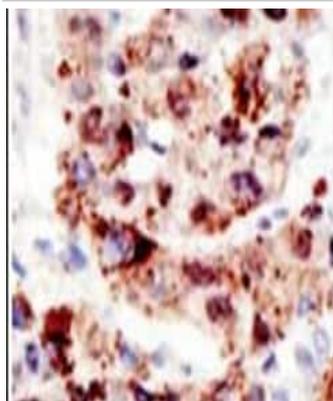
Ubiquitin Antibody (PA5-11325) in WB

Western blot analysis using a Ubiquitin polyclonal antibody (Product # PA5-11325) in HeLa cell lysate. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Ubiquitin Antibody (PA5-11325) in ICC/IF

Immunofluorescent analysis of Ubiquitin co-localized with FOXP2.10t using an antibody against FOXP2 (green) counterstained with a Ubiquitin polyclonal antibody (Product # PA5-11325) (red), indicating that the cellular bodies represent aggresomes. Nuclei are marked by DAPI staining (blue).



Ubiquitin Antibody (PA5-11325) in IHC (P)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human cancer tissue using a Ubiquitin polyclonal antibody (Product # PA5-11325), followed by HRP-conjugated secondary antibody and AEC staining.

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