Ubiquitin monoclonal antibody (P4G7-H11)

Ubiquitin (Ub) plays a very important role in regulated non-lysosomal ATP dependent protein degradation. The protein to be degraded is conjugated to Ub and the ubiquinated protein is then selectively degraded by the 26S complex, a multicatalytic cytosolic and nuclear protease. The Ub-proteasome proteolytic pathway, which is a complex process, is implicated to be of great importance for regulating numerous cellular processes.

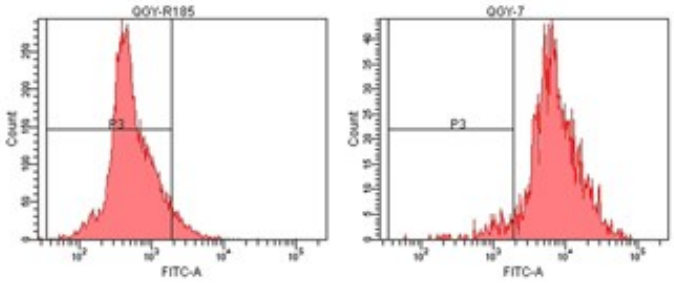
This antibody is covered by our Worry-Free Guarantee.

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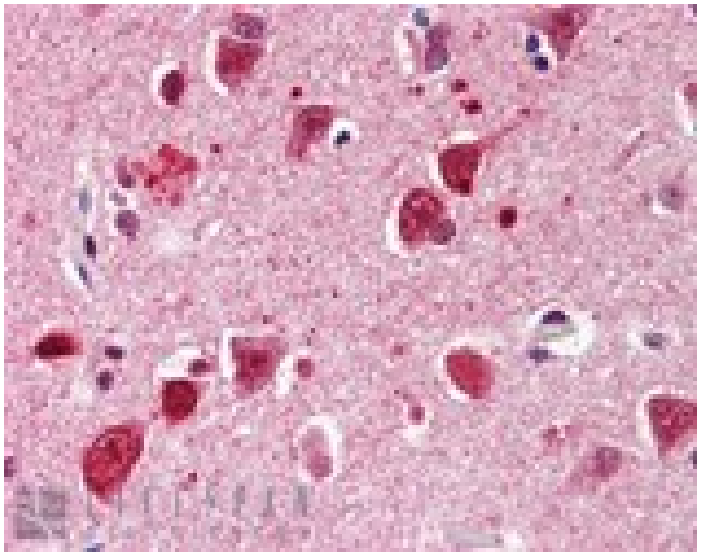
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ADI-SPA-203-D	50µg
ADI-SPA-203-F	200µg

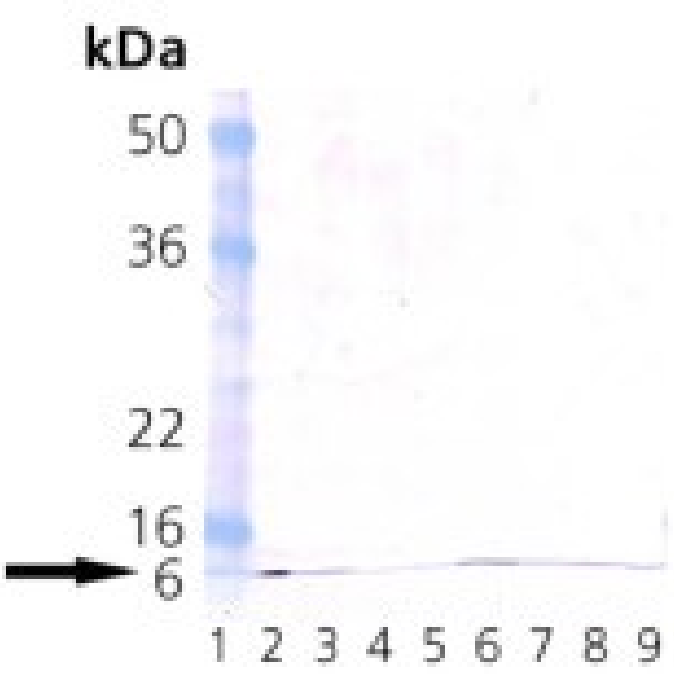
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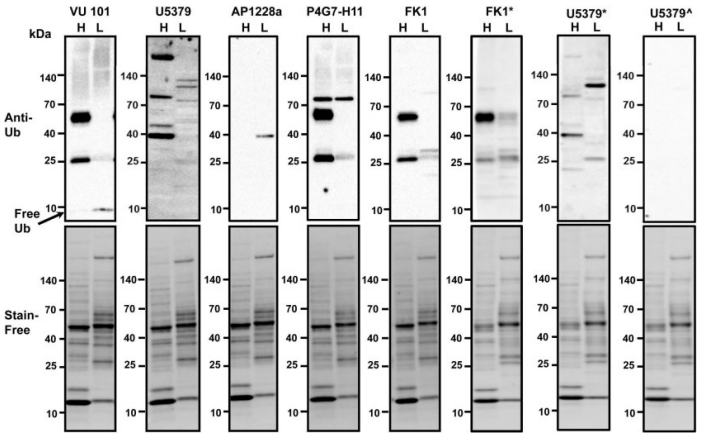
Flow cytometry analysis of human hepatoma QGY cells analyzed by flow cytometry using isotype control antibody (left) or Ubiquitin Monoclonal Antibody (P4G7-H11) (right) at 10µg/mL



Immunohistochemistry analysis of human brain, cortex tissue stained with Ubiquitin, mAb (P4G7-H11) at 5-10µg/ml.



Western blot analysis of Ubiquitin: Lane 1: MW marker, Lane 2: Ubiquitin, Lane 3: HeLa, Lane 4: RK-13, Lane 5: 3T3, Lane 6: PC-12, Lane 7: Mouse Brain, Lane 8: Rat Brain, Lane 9: MDBK



Comparison of anti-ubiquitin antibodies.Heart and liver lysates (20 µg each) were investigated by Western blotting using five commercially available anti-ubiquitin antibodies (VU101, U5379, AP1228a, P4G7-H11, FK1). Arrow shows location of free unbound ubiquitin. Stain-free staining of total proteins loaded was used as the normalization control. H, heart; L, liver. BSA was used as the blocking reagent for the blot labeled FK1* while non-fat milk was used as the blocking reagent in all the other blots shown. All antibodies were used at a dilution of 1:1000 except for blots labeled U5379* and U5379^ which were used at dilutions of 1:100 and 1:2000 respectively.

Image collected and cropped by CiteAb under a CC-BY license from the following publication: Western Blotting Inaccuracies with Unverified Antibodies: Need for a Western Blotting Minimal Reporting Standard (WBMRS). *PLoS One* (2015)

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	Flow Cytometry, IHC (PS), WB
Application Notes	Detects a band of ~6.5kDa by Western blot.
Clone	P4G7-H11
Formulation	Liquid. In PBS containing 50% glycerol and 0.09% sodium azide.
Gene/Protein Identifier	NP_776558 (RefSeq)
Host	Mouse
Immunogen	Native bovine Ubiquitin.
Isotype	IgG1
Purity Detail	Protein G affinity purified.
Recommendation Dilutions/Conditions	Flow Cytometry (10µg/ml)Western Blot (1:1,000, colorimetric)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from ascites.
Species Reactivity	Bovine, Hamster, Human, Mouse, Rabbit, Rat
UniProt ID	P0CG53

Worry-free Guarantee

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