

Anti-Ubiquitin/UBB Antibody

Catalog Number: PA1420

About UBB

Ubiquitin (originally, ubiquitous immunopoietic polypeptide) is a small regulatory protein that has been found in almost all tissues (ubiquitously) of eukaryotic organisms. Its gene is mapped to 16p 13.3. The ubiquitin protein itself consists of 76 amino acids and has a molecular mass of about 8.5 kDa. Ubiquitin binds to proteins and labels them for destruction. It directs protein recycling and also direct proteins to other locations in the cell, where they control other protein and cell mechanisms.

Overview

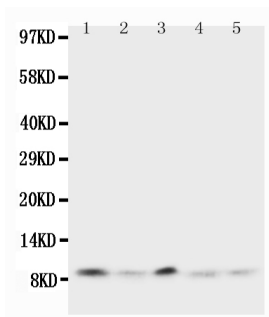
Product Name	Anti-Ubiquitin/UBB Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Ubiquitin/UBB Antibody catalog # PA1420. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P0CG47

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Ubiquitin, identical to the rat and mouse sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

Anti-Ubiquitin/UBB Antibody (PA1420) Images



Anti-Ubiquitin antibody, PA1420, Western blotting

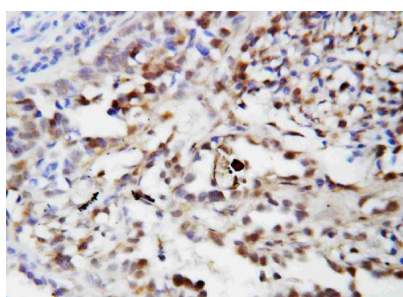
Lane 1: Rat Thymus Tissue Lysate

Lane 2: Human MCF-7 Cell Lysate

Lane 3: MM231 Cell Lysate

Lane 4: HELA Cell Lysate

Lane 5: SMMC Cell Lysate



Anti-Ubiquitin antibody, PA1420, IHC(P)

IHC(P): Human Lung Cancer Tissue

2 Publications Citing This Product

1. PubMed ID: 33686455, Wang DY, Mou YN, Du X, Guan Y, Feng MG. Ubr1-mediated ubiquitylation orchestrates asexual development, polar growth, and virulence-related cellular events in *Beauveria bassiana*. *Appl Microbiol Biotechnol*. 2021 Mar 8. doi:10.1007/s00253-021-11222-0. Epub ahead of print. PMID:33686455.

2. PubMed ID: 32632463, Rong H, Wang C, Liu H, Zhang M, Yuan Y, Pu Y, Huang J, Yu J. Biochemical Toxicity and Potential Detoxification Mechanisms in Earthworms *Eisenia fetida* Exposed to Sulfamethazine and Copper. *Bull Environ Contam Toxicol*. 2020 Aug;105(2):255-260. doi:10.1007/s00128-0

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