

Anti-Ubiquitin/UBB Antibody Picoband®

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

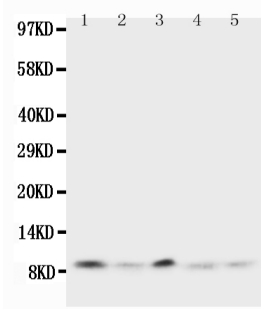
Product Name	Anti-Ubiquitin/UBB Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Ubiquitin/UBB Antibody catalog # PA1420. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

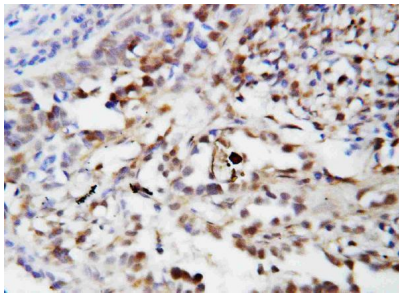
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Ubiquitin, identical to the rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super 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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-Ubiquitin/UBB Antibody Picoband® (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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Anti-Ubiquitin/UBB Antibody

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