

Anti-Diubiquitin/UBD Antibody Picoband®

Catalog Number: PA2222

About UBD

Ubiquitin D, also called UBD or FAT10 is a protein that in humans is encoded by the UBD gene. This gene is mapped to 6p22.1. Ubiquitin-like protein modifier can be covalently attached to target protein and subsequently leads to their degradation by the 26S proteasome in a NUB1L-dependent manner. This gene may be involved in dendritic cell (DC) maturation, the process by which immature dendritic cells differentiate into fully competent antigen-presenting cells that initiate T-cell responses. It may be involved in the formation of aggresomes when proteasome is saturated or impaired. This gene mediates apoptosis in a caspase-dependent manner, especially in renal epithelium and tubular cells during renal diseases such as polycystic kidney disease and Human immunodeficiency virus (HIV)-associated nephropathy (HIVAN). It probably functions as a survival factor.

Overview

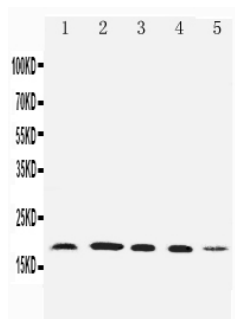
Product Name	Anti-Diubiquitin/UBD Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Diubiquitin/UBD Antibody catalog # PA2222. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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 Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *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	O15205

Technical Details

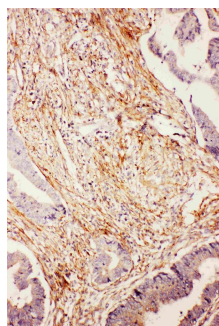
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Diubiquitin, different from the related mouse and rat sequences by five amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	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 Western blot, 0.1-0.5ug/ml, Human

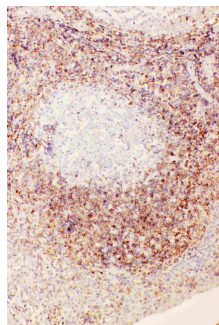
Anti-Diubiquitin/UBD Antibody Picoband® (PA2222) Images



Anti-Diubiquitin antibody, PA2222, Western blotting
Lane 1: HELA Cell Lysate
Lane 2: SKOV Cell Lysate
Lane 3: MCF-7 Cell Lysate
Lane 4: A549 Cell Lysate
Lane 5: SMMC Cell Lysate



Anti-Diubiquitin antibody, PA2222, IHC(P)IHC(P): Human Intestinal Cancer Tissue



Anti-Diubiquitin antibody, PA2222, IHC(P)IHC(P): Human Tonsil Tissue

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Anti-Diubiquitin/UBD Antibody

For Research Use Only. Not for use in diagnostic procedures.