

## Anti-Diubiquitin/UBD Antibody Picoband® HRP Conjugated

Catalog Number: PA2222-HRP

### 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® HRP Conjugated
Reactive Species	Human
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
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.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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