

Anti-BTD Antibody (5V642)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5V642
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human BTD in human liver with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
	2. Immunochemical staining of human BTD in human kidney with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).
Application:	ELISA,IHC-P
Recommended	ELISA: 1:5000-1:10000; IHC-P: 1:100-1:500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Biotinidase / biotinase / BTD Protein (TMPY-03618)
Antigen Species:	Human
Synonyms:	biotinidase;BTD

Research Background

Biotinidase, also known as biotinase and BTD, is a ubiquitous mammalian cell enzyme which expressed at high levels in the liver, serum, and kidney. Its primary function is to cleave biotin from biocytin, preserving the pool of biotin for use as a cofactor for biotin dependent enzymes, namely the 4 human carboxylases. Biotinidase also recycles biotin from enzymes in the body that use it as a helper component in order to function. These enzymes, known ascarboxylases, are important in the processing offats,carbohydrates, andproteins. Biotin is attached to these carboxylase enzymes through anamino acid(the building material of proteins) calledlysine, forming a complex calledbiocytin.

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