

Immunotag™ HIBADH Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2131
Product Description	Immunotag™ HIBADH Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	HIBADH
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from HIBADH, at AA range: 250-330
Specificity	HIBADH Polyclonal Antibody detects endogenous levels of HIBADH protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	HIBADH
Accession No.	P31937 Q99L13 P29266
Alternate Names	HIBADH; 3-hydroxyisobutyrate dehydrogenase; mitochondrial; HIBADH
Description	3-hydroxyisobutyrate dehydrogenase(HIBADH) Homo sapiens This gene encodes a mitochondrial 3-hydroxyisobutyrate dehydrogenase enzyme. The encoded protein plays a critical role in the catabolism of L-valine by catalyzing the oxidation of 3-hydroxyisobutyrate to methylmalonate semialdehyde. [provided by RefSeq, Nov 2011],

Antibody Specification

Cell Pathway/ Category	Valine, leucine and isoleucine degradation,
Protein Expression	Liver,Lung,Testis,
Subcellular Localization	mitochondrion,mitochondrial matrix,
Protein Function	catalytic activity:3-hydroxy-2-methylpropanoate + NAD(+) = 2-methyl-3-oxopropanoate + NADH.,similarity:Belongs to the 3-hydroxyisobutyrate dehydrogenase family.,subunit:Homodimer.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.