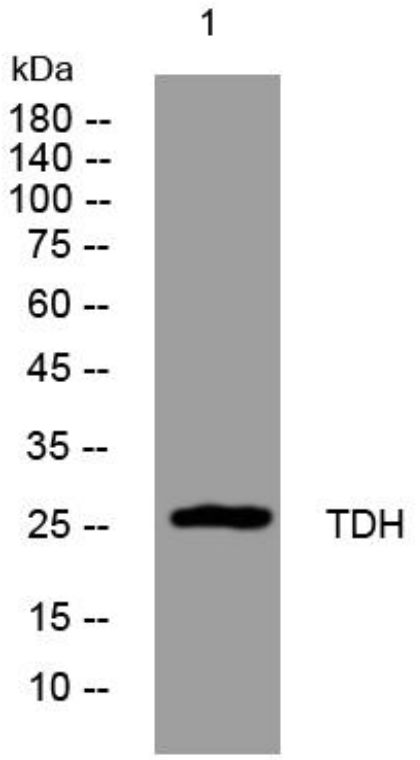
TDH mouse mAb

Catalog No	BYmab-11683
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	TDH
Protein Name	TDH
Immunogen	Synthesized peptide derived from human TDH AA range: 169-219
Specificity	This antibody detects endogenous levels of TDH at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Mitochondrion .
Tissue Specificity	Expressed in all tissues examined. Detected in most cell types examined, but not observed in endothelial cells, glioma cell lines and some leukemia cell lines.
Function	caution:According to PubMed:12361482, the human TDH gene is an expressed pseudogene encoding non-functional truncated proteins that are unable to make appropriate contacts with the substrates, L-threonine and NAD(+). Although all exons expected to encode a functional L-threonine 3-dehydrogenase of 369 residues are present in the human genome, all transcripts described encode truncated proteins that result from mutations within the gene causing the loss of acceptor splice site preceding exon 4 and exon 6.,similarity:Belongs to the sugar epimerase family.,tissue specificity:Expressed in all tissues examined. Detected in most cell types examined, but not observed in endothelial cells, glioma cell lines and some leukemia cell lines.,

Background	This gene appears to be an evolving pseudogene of L-threonine 3-dehydrogenase (TDH). In both prokaryotes and eukaryotes, TDH catalyzes the first of two steps in one of two L-threonine degradation pathways. However, in human, the single gene with sequence similarity to TDH is not caMABle of encoding a functional TDH protein; the predicted protein lacks most of the C-terminus and parts of the NAD+ binding motif when compared to other species' TDH proteins. This suggests that the human gene is therefore a pseudogene. Transcripts of this gene are found in all tissues and alternatively spliced transcripts have been described. It is not known if these transcripts are translated, or if the possible protein product provides any functional role. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using TDH mouse mAb