

Datasheet for ABIN7427120
anti-TDO2 antibody (AA 1-406)

2 Images

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Overview

Quantity:	100 µL
Target:	TDO2
Binding Specificity:	AA 1-406
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TDO2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Tryptophan-2,3-dioxygenase (TDO)
Immunogen:	Recombinant Tryptophan-2,3-dioxygenase (TDO) corresponding to Met1~Asp406 with N-terminal His Tag
Clone:	C1
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against TDO. It has been selected for its ability to recognize TDO in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig, Rat
Purification:	Protein A + Protein G affinity chromatography

Target Details

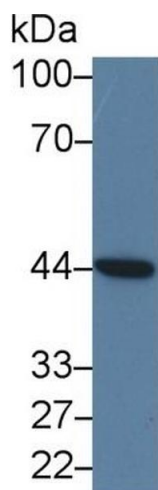
Target:	TD02
Alternative Name:	Tryptophan-2,3-dioxygenase (TD02 Products)
Background:	TD02, TPH2, TO, TRPO, Tryptophanase, Tryptophan oxygenase

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

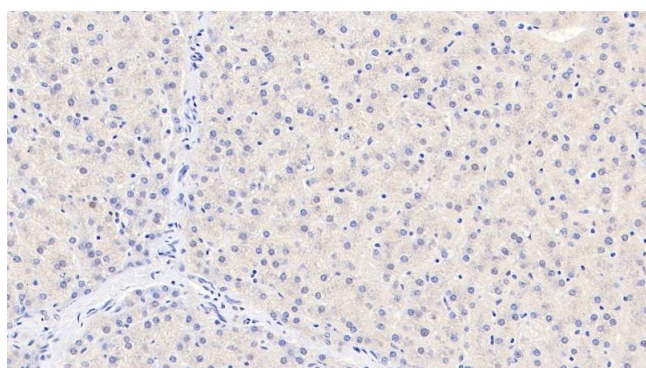
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of TDO in Rat Liver lysate using Monoclonal Antibody to Tryptophan-2,3-dioxygenase (TDO)



Immunohistochemistry

Image 2. Detection of TDO in Human Liver Tissue using Monoclonal Antibody to Tryptophan-2,3-dioxygenase (TDO)