

Mouse Tryptophan-2,3-dioxygenase (TDO) Monoclonal Antibody | anti-TDO antibody

Monoclonal Antibody to Tryptophan-2,3-dioxygenase (TDO)

CATALOG # AAA152686	HOST Mouse	REACTIVITY Human, Rat, Pig	APPLICATIONS Immunohistochemistry, Western Blot
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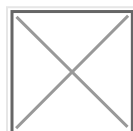
PRODUCT SYNONYMS

Tryptophan-2; 3-dioxygenase (TDO); Monoclonal Antibody; Monoclonal Antibody to Tryptophan-2; 3-dioxygenase; TDO2; TPH2; TO; TRPO; Tryptophanase; Tryptophan oxygenase; anti-TDO antibody

PRODUCT SPECIFICATIONS

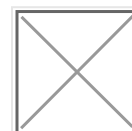
Host	Mouse
Reactivity	Human, Rat, Pig
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	C2
Specificity	The antibody is a mouse monoclonal antibody raised against TDO. It has been selected for its ability to recognize TDO in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Concentration	1mg/mL (varies by lot)
Sequence Positions	Met1~Asp406
Applicable Applications for anti-TDO antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant Tryptophan-2,3-dioxygenase (TDO)
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. Stable for 12 months if correctly stored. 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 degree 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.

IMAGES



WB (Western Blot)

Western Blot; Sample: Lane1: Porcine Liver lysate; Lane2: Rat Liver lysate Primary Ab: 2ug/ml Mouse Anti-human TDO Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody



IHC (Immunohistochemistry)

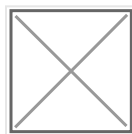
DAB staining on IHC-P; Sample: human Skeletal muscle Tissue Primary Ab: 10ug/ml Mouse Anti-human TDO Antibody Control: Used PBS instead of primary antibody Second Ab: 2ug/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

**IHC (Immunohistochemistry)**

DAB staining on IHC-P; Sample: human Liver Tissue; Primary Ab: 10ug/ml Mouse Anti-human TDO Antibody; Control: Used PBS instead of primary antibody; Second Ab: 2ug/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

**IHC (Immunohistochemistry)**

DAB staining on IHC-P; Sample: human Skeletal muscle Tissue; Primary Ab: 10ug/ml Mouse Anti-human TDO Antibody; Second Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

**IHC (Immunohistochemistry)**

DAB staining on IHC-P; Sample: human Liver Tissue; Primary Ab: 10ug/ml Mouse Anti-human TDO Antibody; Second Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

ADDITIONAL INFORMATION

Product Categories/Family for anti-TDO antibody

[Monoclonal Antibodies \(Primary Abs\)](#); [Monoclonal antibodies](#); [Enzyme & Kinase](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032165
NCBI GeneID	6999
NCBI Accession #	NP_005642.1
NCBI GenBank Nucleotide #	NM_005651.3
UniProt Accession #	P48775; A8K053
Molecular Weight	47,872 Da
NCBI Official Full Name	tryptophan 2,3-dioxygenase
NCBI Official Synonym Full Names	tryptophan 2,3-dioxygenase
NCBI Official Symbol	TDO2
NCBI Official Synonym Symbols	TO; TDO; TPH2; TRPO
NCBI Protein Information	tryptophan 2,3-dioxygenase; TDO; TDO2; TO; TRPO; tryptamin 2,3-dioxygenase; tryptophan oxygenase; tryptophan pyrrolase; tryptophanase
UniProt Protein Name	Tryptophan 2,3-dioxygenase
UniProt Gene Name	TDO2
UniProt Entry Name	T23O_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tryptophan-2-3-dioxygenase-tdo-antibody-clone-c2-immunohistochemistry-western-blot-elisa/152686>