

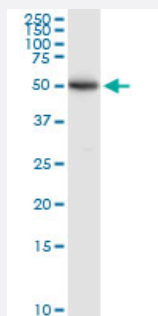
MaxPab®

TDO2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00006999-D01P

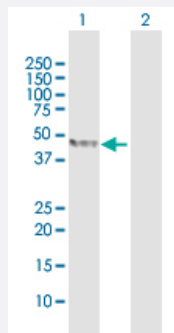
Size 100 ug

Applications



Western Blot (Cell lysate)

TDO2 MaxPab rabbit polyclonal antibody. Western Blot analysis of TDO2 expression in Jurkat.



Western Blot (Transfected lysate)

Western Blot analysis of TDO2 expression in transfected 293T cell line ([H00006999-T03](#)) by TDO2 MaxPab polyclonal antibody.

Lane 1: TDO2 transfected lysate(47.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human TDO2 protein.

Immunogen

TDO2 (NP_005642.1, 1 a.a. ~ 406 a.a) full-length human protein.

Sequence

MSGCPFLGNNFGYTFKKLPVEGSEEDKSQTGVNRASKGGLYGNLHLEKVLNAQELQSETKGN
KIHDEHLFIITHQAYELWFKQLWELDSVREIFQNGHVRDERNMLKVVSRMHRVSVILKLLVQQFSIL
ETMTALDFNDFREYLSPASGFQSLQFRLLLENKIGVLQNMVRPNRRHYRDNFKGEENELLLKSEQ
EKTLLLELVEAWLERTPGLEPHGFNFWGKLEKNITRGLEEEFIRIQAKEESEEEQVAEFQKQKE
VLLSLFDEKRHEHLLSKGERRLSYRALQGALMIYFYREEPRFQVPFQLLTSLMDIDSLMTKWRYNH
VCMVHRMLGSKAGTGGSSGYHYLRSTVSDRYKVFVDLNLSTYLIPRHWIPKMNPITHKFLYTAEY
CDSSYFSSDESD

Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Cell lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — TDO2

Entrez GeneID	6999
GeneBank Accession#	NM_005651.1
Protein Accession#	NP_005642.1
Gene Name	TDO2
Gene Alias	TDO, TPH2, TRPO
Gene Description	tryptophan 2,3-dioxygenase
Omim ID	191070
Gene Ontology	Hyperlink
Gene Summary	Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role in catalyzing the first and rat-limiting step in the kynurenine pathway, the major pathway of tryptophan metabolism.[supplied by OMIM]

Publication Reference

- [TDO2 Was Downregulated in Hepatocellular Carcinoma and Inhibited Cell Proliferation by Upregulating the Expression of p21 and p27.](#)

Chengpeng Yu, Dean Rao, He Zhu, Qiumeng Liu, Wenjie Huang, Long Zhang, Huifang Liang, Jia Song, Zeyang Ding
BioMed Research International 2021 Aug; 2021:4708439.

Application: WB, Human, Human hepatocellular carcinoma, HepG2, HLF cells

- [Engagement of the Aryl Hydrocarbon Receptor in Mycobacterium tuberculosis-Infected Macrophages Has Pleiotropic Effects on Innate Immune Signaling.](#)

Memari B, Bouttier M, Dimitrov V, Ouellette M, Behr MA, Fritz JH, White JH.
The Journal of Immunology 2015 Nov; 195(9):4479.

Application: WB, Human, Macrophages

- [Abnormalities of neurotransmitter and neuropeptide systems in human neuroepithelioma cells infected by three Toxoplasma strains.](#)

Xiao J, Li Y, Jones-Brando L, Yolken RH.
Journal of Neural Transmission 2013 Dec; 120(12):1631.

Application: WB-Ce, Human, SK-N-MC cells

Pathway

- [Metabolic pathways](#)
- [Tryptophan metabolism](#)

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Postmortem Changes](#)
- [Schizophrenia](#)