

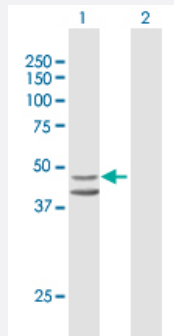
MaxPab®

IDO1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003620-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of IDO1 expression in transfected 293T cell line ([H00003620-T01](#)) by IDO1 MaxPab polyclonal antibody.

Lane 1: IDO1 transfected lysate(44.33 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human IDO1 protein.

Immunogen

IDO1 (AAH27882.1, 1 a.a. ~ 403 a.a) full-length human protein.

Sequence

MAHAMENSWTISKEYHIDEEVGFA LPNPQENLPDFYNDWMFIAKHLPDLIESGQLRERVEKLNML
SIDHLTDHKSQRLARLVLCITMAYVWGKGHGDVRKVLPRNIAVPYCQLSKKLELPPILVYADCVL
ANWKKKDPNKPLTYENMDVLFSFRDGDCKSGFFLVSLLEIAAASAIKVIPTVFKAMQMQRDTL
LKALLEIASCLEKALQVFHQIHQHDHVNPKAFFSVLRMLSGWKGNPQLSDGLVYEGFWEDPKEFAG
GSAGQSSVFQCFDVLGQQTAGGGHAAQFLQDMRRYMPPAHRNFLCSLESNPSVREFVLSKG
DAGLREAYDACVKALVSLRSYHLQIVTKYLIPASQQPKENKTSEDPSKLEAKGTGGTDLMNFKT
VRSTTEKSLLEKEG

Host

Mouse

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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[Protocol Download](#)

Gene Info — IDO1

Entrez GeneID [3620](#)

GeneBank Accession# [NM_002164.3](#)

Protein Accession# [AAH27882.1](#)

Gene Name IDO1

Gene Alias CD107B, IDO, INDO

Gene Description indoleamine 2,3-dioxygenase 1

Omim ID [147435](#)

Gene Ontology [Hyperlink](#)

Gene Summary Gamma-interferon (IFNG; MIM 147570) has an antiproliferative effect on many tumor cells and inhibits intracellular pathogens such as Toxoplasma and Chlamydia, at least partly because of the induction of indoleamine 2,3-dioxygenase (INDO; EC 1.13.11.52). This enzyme catalyzes the degradation of the essential amino acid L-tryptophan to N-formyl-kynurenine.[supplied by OMIM]

Other Designations indole 2,3-dioxygenase|indoleamine-pyrrole 2,3 dioxygenase

Publication Reference

- [p38 predicts depression and poor outcome in esophageal cancer.](#)

Cheng Y, Qiao Z, Dang C, Zhou B, Li S, Zhang W, Jiang J, Song Y, Zhang J, Diao D.

Oncology Letters 2017 Dec; 4(6):7241.

Application: WB-Ce, Human, Eca-109, TE-1 cells

Pathway

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

Disease

- [Hepatitis C](#)
- [Multiple Sclerosis](#)
- [Pre-Eclampsia](#)