

TDO2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14344a**Specification**

TDO2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P48775
Other Accession	NP_005642.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47872
Antigen Region	1-30

TDO2 Antibody (N-term) - Additional Information**Gene ID** 6999**Other Names**

Tryptophan 2, 3-dioxygenase {ECO:0000255|HAMAP-Rule:MF_03020}, TDO {ECO:0000255|HAMAP-Rule:MF_03020}, 1131111 {ECO:0000255|HAMAP-Rule:MF_03020}, Tryptamin 2, 3-dioxygenase {ECO:0000255|HAMAP-Rule:MF_03020}, Tryptophan oxygenase {ECO:0000255|HAMAP-Rule:MF_03020}, TO {ECO:0000255|HAMAP-Rule:MF_03020}, TRPO {ECO:0000255|HAMAP-Rule:MF_03020}, Tryptophan pyrrolase {ECO:0000255|HAMAP-Rule:MF_03020}, Tryptophanase {ECO:0000255|HAMAP-Rule:MF_03020}, TDO2 {ECO:0000255|HAMAP-Rule:MF_03020}, TDO

Target/Specificity

This TDO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human TDO2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TDO2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TDO2 Antibody (N-term) - Protein Information

Name TDO2 {ECO:0000255|HAMAP-Rule:MF_03020}

Synonyms TDO

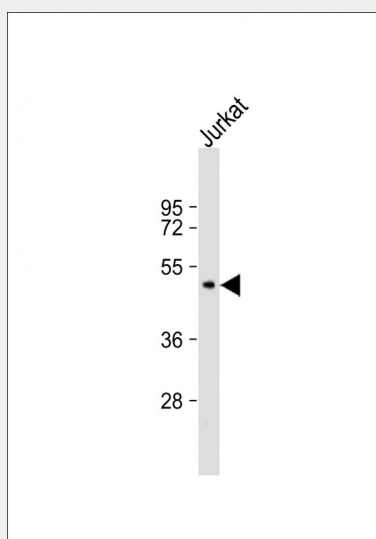
Function Heme-dependent dioxygenase that catalyzes the oxidative cleavage of the L-tryptophan (L-Trp) pyrrole ring and converts L- tryptophan to N-formyl-L-kynurenine. Catalyzes the oxidative cleavage of the indole moiety.

TDO2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TDO2 Antibody (N-term) - Images



Anti-TDO2 Antibody (N-term) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

TDO2 Antibody (N-term) - Background

Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role in catalyzing the first and rate-limiting step in the kynurenine pathway, the major pathway of tryptophan metabolism.[supplied by OMIM].

TDO2 Antibody (N-term) - References

Capece, L., et al. J. Biol. Inorg. Chem. 15(6):811-823(2010)
Schmidt, S.K., et al. Eur. J. Immunol. 39(10):2755-2764(2009)
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