

**TDO2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14344a****Specification**

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**TDO2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P48775](#)**TDO2 Antibody (N-term) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TDO2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TD02 Antibody (N-term) Blocking Peptide - Images**

#### **TD02 Antibody (N-term) Blocking Peptide - Background**

Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role incatalyzing the first and rat-limiting step in the kynureninepathway, the major pathway of tryptophan metabolism.[supplied byOMIM].

#### **TD02 Antibody (N-term) Blocking Peptide - 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)Roeske, D., et al. Mol. Psychiatry (2009) In press :Miller, C.L., et al. Schizophr. Res. 113 (2-3), 259-267 (2009) :Fukumura, E., et al. J. Biochem. 145(4):505-515(2009)