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# I23O2 Antibody (C-term) Blocking peptide

**Synthetic peptide**
**Catalog # BP12406b**

## Specification

### I23O2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q6ZQW0

### I23O2 Antibody (C-term) Blocking peptide - Additional Information

**Gene ID** 169355

**Other Names**
Indoleamine 2, 3-dioxygenase 2, IDO-2, 11311-, Indoleamine 2, 3-dioxygenase-like protein 1, Indoleamine-pyrrole 2, 3-dioxygenase-like protein 1, IDO2, INDOL1

**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.

### I23O2 Antibody (C-term) Blocking peptide - Protein Information

**Name** IDO2 (HGNC:27269)

**Function**
Catalyzes the first and rate limiting step of the catabolism of the essential amino acid tryptophan along the kynurenine pathway (PubMed:<a href="http://www.uniprot.org/citations/17671174" target="_blank">17671174</a>). Involved in immune regulation. May not play a significant role in tryptophan-related tumoral resistance (PubMed:<a href="http://www.uniprot.org/citations/25691885" target="_blank">25691885</a>).

**Tissue Location**
Detected in liver, small intestine, spleen, placenta, thymus, lung, brain, kidney, and colon (PubMed:17671174) Also expressed at low level in testis and thyroid. Not expressed in the majority of human tumor samples (>99%) (PubMed:25691885)

### I23O2 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

**I23O2 Antibody (C-term) Blocking peptide - Images**

**I23O2 Antibody (C-term) Blocking peptide - Background**

Along with the enzymes encoded by the INDO (MIM 147435)and TDO2 (MIM 191070) genes, the enzyme encoded by the INDOL1 genemetabolizes tryptophan in the kynurenine pathway (Ball et al., 2007[PubMed 17499941]).

**I23O2 Antibody (C-term) Blocking peptide - References**

Cetindere, T., et al. Cell. Signal. 22(2):197-211(2010)Huttunen, R., et al. Shock 33(2):149-154(2010)Witkiewicz, A.K., et al. J. Am. Coll. Surg. 208(5):781-787(2009)Metz, R., et al. Cancer Res. 67(15):7082-7087(2007)Ball, H.J., et al. Gene 396(1):203-213(2007)