

## Product datasheet for **TA338147**

### TDO2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TDO2 antibody: synthetic peptide directed towards the N terminal of human TDO2. Synthetic peptide located within the following region: LFIITHQAYELWFKQILWELDSVREIFQNGHVRDERNMLKVSRMHRVSV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48 kDa
Gene Name:	tryptophan 2,3-dioxygenase
Database Link:	<a href="#">NP_005642</a> <a href="#">Entrez Gene 6999 Human P48775</a>
Background:	This gene encodes a heme enzyme that plays a critical role in tryptophan metabolism by catalyzing the first and rate-limiting step of the kynurenine pathway. Increased activity of the encoded protein and subsequent kynurenine production may also play a role in cancer through the suppression of antitumor immune responses, and single nucleotide polymorphisms in this gene may be associated with autism. [provided by RefSeq, Feb 2012]
Synonyms:	TDO; TO; TPH2; TRPO

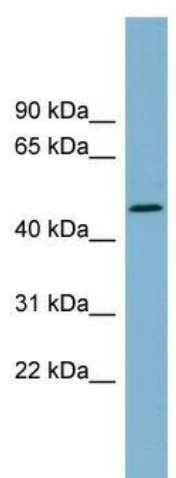


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**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 86%

**Protein Pathways:** Metabolic pathways, Tryptophan metabolism

**Product images:**



WB Suggested Anti-TDO2 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Small Intestine