



# Anti-TDO2 (aa 2-51) polyclonal antibody (CPBT-47956RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human TDO2.
<b>Antigen Description</b>	Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role in catalyzing the first and rat-limiting step in the kynurenine pathway, the major pathway of tryptophan metabolism.
<b>Immunogen</b>	Synthetic peptide corresponding to N terminal amino acids 2-51 (SGCPFLGNNF GYTFKKLPVE GSEEDKSQTG VNRASKGGLI YGNYLHLEKV) of human TDO2.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Sequence Similarities</b>	Belongs to the tryptophan 2,3-dioxygenase family.
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze /

thaw cycles.

## GENE INFORMATION

Gene Name	<a href="#">TDO2 tryptophan 2,3-dioxygenase [ Homo sapiens ]</a>
Official Symbol	TDO2
Synonyms	TDO2; tryptophan 2,3-dioxygenase; TDO; TPH2; 3-dioxygenase; T23O_HUMAN; TDO 2; TDO; tdo2; TO; TPH2; TRPO; Tryptamin 2 3 dioxygenase; Tryptamin 2; Tryptophan 2 3 dioxygenase; Tryptophan 2; Tryptophan oxygenase; Tryptophan pyrrolase; Tryptophanase; TO; tryptophanase; tryptophan oxygenase; tryptophan pyrrolase; tryptamin 2,3-dioxygenase; TRPO;
Entrez Gene ID	<a href="#">6999</a>
Protein Refseq	<a href="#">NP_005642</a>
UniProt ID	<a href="#">P48775</a>
Chromosome Location	4q31-q32
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Monoamine Transport, organism-specific biosystem; NAD biosynthesis II (from tryptophan), conserved biosystem; Tryptophan catabolism, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem; Tryptophan metabolism, conserved biosystem; tryptophan degradation III (
Function	amino acid binding; heme binding; metal ion binding; oxidoreductase activity; oxygen binding; tryptophan 2,3-dioxygenase activity;