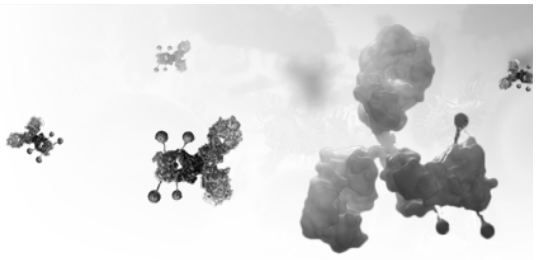

Anti-IDO1 polyclonal antibody (CPBT-67530SH)

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

PRODUCT INFORMATION

Product Overview	This product recognises human indoleamine 2,3-dioxygenase (IDO), an enzyme that is responsible for converting tryptophan to kynurenines. IDO is expressed by a wide variety of tissues and IDO can be upregulated by interferon gamma. IDO modulates levels of the amino acid tryptophan, which is vital for cell growth, but is also involved in the suppression of the immune response. Reports suggest that IDO is involved in the suppression of the immune response to tumours and blocking the IDO pathway may be a potential target for immunotherapy.
Specificity	IDO1
Immunogen	Recombinant human indoleamine 2,3-dioxygenase.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human, Marmoset, Rhesus monkey
Conjugate	Unconjugated
Applications	IHC-P; WB
Format	Ig Fraction - liquid
Size	100 µl
Preservative	See individual product datasheet
Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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GENE INFORMATION

Gene Name	IDO1 indoleamine 2,3-dioxygenase 1 [Homo sapiens (human)]
Official Symbol	IDO1
Synonyms	IDO1; indoleamine 2,3-dioxygenase 1; IDO; INDO; IDO-1; indole 2,3-dioxygenase; indolamine 2,3 dioxygenase; indoleamine-pyrrole 2,3-dioxygenase;
Entrez Gene ID	3620
Protein Refseq	NP_002155
UniProt ID	P14902
Chromosome Location	8p12-p11
Pathway	African trypanosomiasis; L-kynurenine degradation; Metabolic pathways; Metabolism; Metabolism of amino acids and derivatives; NAD biosynthesis II (from tryptophan); NAD de novo biosynthesis; Tryptophan catabolism;
Function	electron carrier activity; heme binding; indoleamine 2,3-dioxygenase activity; metal ion binding; tryptophan 2,3-dioxygenase activity;

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