10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

INDOL1 Rabbit pAb

Catalog # AP98998

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6ZQW0
Other Accession	Q6ZQW0
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45424
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human INDOL1
Epitope Specificity	251-350/407
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the indoleamine 2,3-dioxygenase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Along with the enzymes encoded by the INDO (MIM 147435) and TDO2 (MIM 191070) genes, the enzyme encoded by the INDOL1 gene metabolizes tryptophan in the kynurenine pathway (Ball et al., 2007 [PubMed 17499941]).[supplied by OMIM, Feb 2011]

Additional Information

Gene ID	169355
Other Names	INDOL1; I23O2_HUMAN; IDO2; IDO-2; Indoleamine 2, 3-dioxygenase-like protein 1; Indoleamine-pyrrole 2, 3-dioxygenase-like protein 1; 1.13.11.-; indoleamine 2, 3-dioxygenase 2; indoleamine-pyrrole 2, 3 dioxygenase-like 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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:17671174).

	Involved in immune regulation. May not play a significant role in tryptophan-related tumoral resistance (PubMed:25691885).
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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.