

For Research Use Only

IDO1 Recombinant antibody

Catalog Number: 84063-3-RR



Basic Information

Catalog Number: 84063-3-RR	GenBank Accession Number: BC027882	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3620	CloneNo.: 241110F2
Source: Rabbit	UNIPROT ID: P14902	Recommended Dilutions: WB 1:1000-1:10000 IHC 1:500-1:8000
Isotype: IgG	Full Name: indoleamine 2,3-dioxygenase 1	
Immunogen Catalog Number: AG3953	Calculated MW: 403 aa, 45 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat lung tissue, human plancta tissue

IHC : human tonsillitis tissue,

Background Information

IDO1 is the target for therapy in a range of clinical settings, including cancer, chronic infections, autoimmune and allergic syndromes, and transplantation. Elevated IDO1 expression is a hallmark of major viral infections including HIV, HBV, HCV or influenza and also of major bacteria infections, such as Tb, CAP, listeriosis and sepsis. Pathogens are able to hijack the immunosuppressive effects of IDO1 and make use of them to facilitate their own life cycle. MW of IDO1 is 40-42kd (PMID: 14502282; 17055065).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

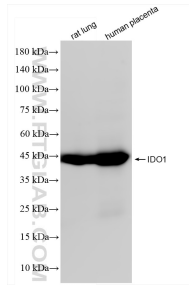
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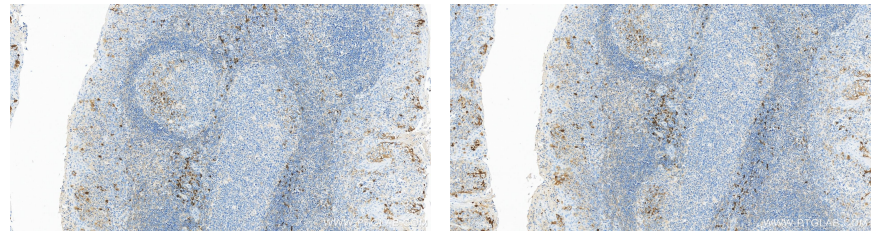
E: proteintech@ptglab.com
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Selected Validation Data

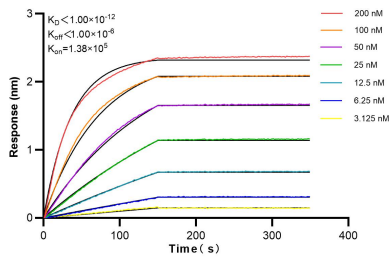


Various lysates were subjected to SDS PAGE followed by western blot with 84063-3-RR (IDO1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84063-3-RR (IDO1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

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Biolayer interferometry (BLI) kinetic assays of 84063-3-RR against Human IDO1 were performed. The affinity constant is below 1 pM.