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anti-IDO1 antibody (Internal Region)





Publication



Go to Product page

Overview

Quantity:	100 μg
Target:	ID01
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This IDO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	INDO / IDO
Immunogen:	Peptide with sequence CVLANWKKKDPNK, from the internal region of the protein sequence according to NP_002155.1.
Sequence:	CVLANWKKKD PNK
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	IDO1
Alternative Name:	ID01 (ID01 Products)
Background:	IDO1, INDO, indoleamine-pyrrole 2,3 dioxygenase, HGNC:6059, CD107B, IDO, Indoleamine 2,3-dioxygenase, indole 2,3-dioxygenase
Gene ID:	3620
NCBI Accession:	NP_002155
Pathways:	Activated T Cell Proliferation

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Placenta. Recommended concentration: 4-
	6 μg/mL.
	Western Blot: Approx 50 kDa band observed in Human Lymph Node, Spleen and Placenta
	lysates (calculated MW of 45.3 kDa according to NP_002155.1). Recommended concentration:
	0.5-1.5 μg/mL. Primary incubation was 1 hour. Preliminary testing was unsuccessful on
	Peptide ELISA: antibody detection limit dilution 1:128000.
5	5.0

Restrictions: For Research Use only

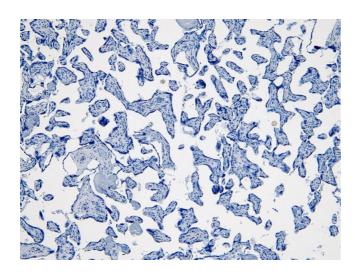
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Product cited in:

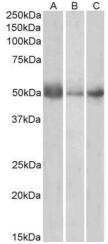
Mohamed, Aboul-Fotouh, Ibrahim, Shehata, Mansour, Yassin, El-Eraky, Abdel-Tawab et al.: " Effects of pentoxifylline, 7-nitroindazole, and imipramine on tumor necrosis factor-? and indoleamine 2,3-dioxygenase enzyme activity in the hippocampus and frontal cortex of chronic ..." in: **Neuropsychiatric disease and treatment**, Vol. 9, pp. 697-708, (2013) (PubMed).

Images



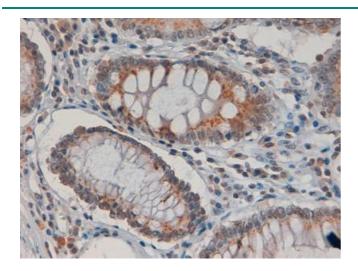
Immunohistochemistry

Image 1. (ABIN185488) Negative Control showing staining of paraffin embedded Human Placenta, with no primary antibody.



Western Blotting

Image 2. Antibody (0.5μg/ml) staining of Human Lymph Node (A), Spleen (B) and Placenta (C) lysates (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry

Image 3. ABIN185488 ($4\mu g/ml$) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining. This data is from a previous batch, not on sale.

Please check the product details page for more images. Overall 4 images are available for ABIN185488.