

ARG63890 anti-IDO1 / INDO antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes IDO1 / INDO
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	IDO1 / INDO
Species	Human
Immunogen	Synthetic peptide around the internal region of Human INDO / IDO. (NP_002155.1, CVLANWKKKDPNK)
Conjugation	Un-conjugated
Alternate Names	IDO-1; Indoleamine 2,3-dioxygenase 1; IDO; Indoleamine-pyrrole 2,3-dioxygenase; INDO; EC 1.13.11.52

Application Instructions

Application table	Application	Dilution
	WB	0.5 - 1.5 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 50 kDa	

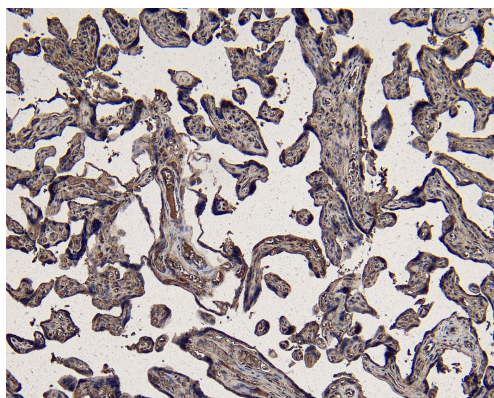
Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

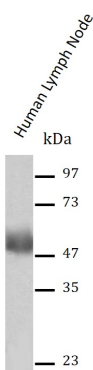
Database links	GeneID: 3620 Human Swiss-port # P14902 Human
Background	This gene encodes indoleamine 2,3-dioxygenase (IDO) - a heme enzyme that catalyzes the first and rate-limiting step in tryptophan catabolism to N-formyl-kynurenine. This enzyme acts on multiple tryptophan substrates including D-tryptophan, L-tryptophan, 5-hydroxy-tryptophan, tryptamine, and serotonin. This enzyme is thought to play a role in a variety of pathophysiological processes such as antimicrobial and antitumor defense, neuropathology, immunoregulation, and antioxidant activity. Through its expression in dendritic cells, monocytes, and macrophages this enzyme modulates T-cell behavior by its peri-cellular catabolization of the essential amino acid tryptophan.[provided by RefSeq, Feb 2011]
Highlight	Related products: INDO antibodies: Anti-Goat IgG secondary antibodies: Related news: More effective cocktail therapy for cancer immune evasion
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	45 kDa

Images



ARG63890 anti-IDO1 / INDO antibody IHC-P image

Immunohistochemistry: Human Placenta stained with ARG63890 anti-IDO1 / INDO antibody at 6 µg/ml dilution.



ARG63890 anti-IDO1 / INDO antibody WB image

Western blot: Human lymph node stained with ARG63890 anti-IDO1 / INDO antibody at 0.5 µg/ml dilution.

ARG63890 anti-IDO1 / INDO antibody WB image

Western blot: Human Placenta stained with ARG63890 anti-IDO1 / INDO antibody at 0.5 µg/ml dilution.

