

ARG59296 anti-IDO1 / INDO antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IDO1 / INDO protein
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IDO1 / INDO
Species	Human
Immunogen	Synthetic peptide derived from Human IDO1 / INDO.
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
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 40 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IDO1
Gene Full Name	indoleamine 2,3-dioxygenase 1
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]
Function	Catalyzes the cleavage of the pyrrol ring of tryptophan and incorporates both atoms of a molecule of oxygen. [UniProt]
Calculated Mw	45 kDa
Cellular Localization	Cytoplasm, cytosol. [UniProt]

Images

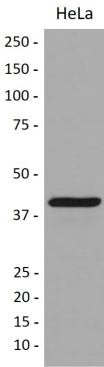
IDO



ARG59296 anti-IDO1 / INDO antibody WB image

Western blot: Human BM-MSCs stained with ARG59296 anti-IDO1 / INDO antibody.

From Tai TS et al. Br J Cancer. (2025), [doi: 10.1038/s41416-024-02893-3](https://doi.org/10.1038/s41416-024-02893-3), Fig. 3. C.



ARG59296 anti-IDO1 / INDO antibody WB image

Western blot: HeLa cell lysate treated with IFN gamma and stained with ARG59296 anti-IDO1 / INDO antibody.