

anti- IDO1 antibody

Product Information

Catalog No.:	FNab04127
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Catalyzes the first and rate limiting step of the catabolism of the essential amino acid tryptophan along the kynurenine pathway(PubMed:17671174). Involved in the peripheral immune tolerance, contributing to maintain homeostasis by preventing autoimmunity or immunopathology that would result from uncontrolled and overreacting immune responses(PubMed:25691885). Tryptophan shortage inhibits T lymphocytes division and accumulation of tryptophan catabolites induces T-cell apoptosis and differentiation of regulatory T-cells(PubMed:25691885). Acts as a suppressor of anti-tumor immunity(PubMed:23103127, PubMed:25157255, PubMed:14502282, PubMed:25691885). Limits the growth of intracellular pathogens by depriving tryptophan(PubMed:25691885). Protects the fetus from maternal immune rejection(PubMed:25691885).

Immunogen information

Immunogen:	indoleamine 2,3-dioxygenase 1
Synonyms:	CD107B, IDO, IDO 1, IDO1, INDO, indoleamine 2,3 dioxygenase 1
Observed MW:	42 kDa
UniprotID :	P14902

Application

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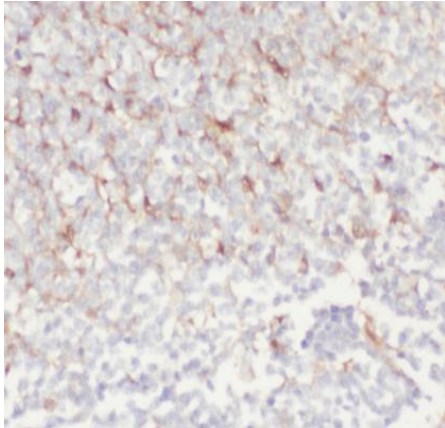
www.fn-test.com

Reactivity: Human, Rat, Mouse

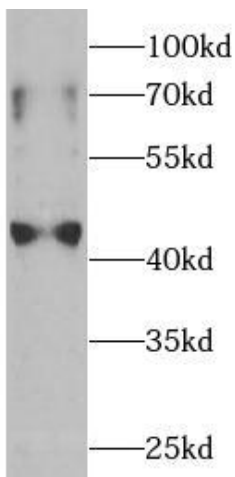
Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:1000-1:4000; IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using FNab04127(IDO1 Antibody) at dilution of 1:100



Hela cells were subjected to SDS PAGE followed by western blot with FNab04127(IDO1 Antibody) at dilution of 1:2000