

Rabbit anti-Human, Rat IDO1 Polyclonal Antibody | anti-IDO1 antibody

IDO1 Polyclonal Antibody

CATALOG # AAA179501	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Western Blot
-------------------------------	-----------------------	---------------------------------	-------------------------------------

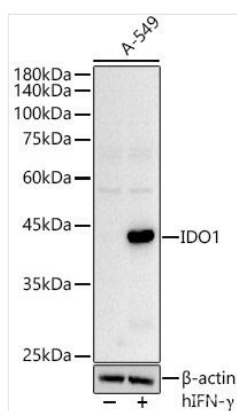
PRODUCT SYNONYMS

IDO1; Polyclonal Antibody; IDO1 Polyclonal Antibody; IDO; IDO-1; INDO; indoleamine 2; anti-IDO1 antibody

PRODUCT SPECIFICATIONS

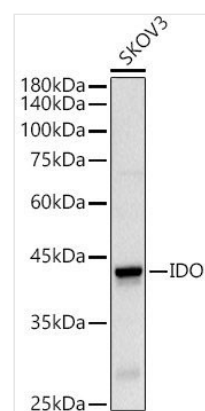
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-IDO1 antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein of human IDO1
Research Area	Cancer, Cardiovascular, Metabolism, Signal Transduction
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of A-549 cells using IDO1 Polyclonal Antibody antibody at 1:500 dilution. A-549 cells were treated by hIFN- γ (100 ng/mL) at 37 $^{\circ}$ C for 48 hours.



WB (Western Blot)

Western blot analysis of extracts of SKOV3 cells using IDO1 Polyclonal Antibody at 1:500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-IDO1 antibody	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.
Product Categories/Family for anti-IDO1 antibody	Antibodies; Primary Antibodies; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	123948
NCBI GeneID	3620
UniProt Accession #	P14902; Q540B4
Molecular Weight	403
NCBI Official Full Name	Indoleamine 2,3-dioxygenase 1
NCBI Official Synonym Full Names	indoleamine 2,3-dioxygenase 1
NCBI Official Symbol	IDO1
NCBI Official Synonym Symbols	IDO; INDO; IDO-1
NCBI Protein Information	indoleamine 2,3-dioxygenase 1; indole 2,3-dioxygenase; indolamine 2,3 dioxygenase; indoleamine-pyrrole 2,3-dioxygenase
UniProt Protein Name	Indoleamine 2,3-dioxygenase 1
UniProt Gene Name	IDO1
UniProt Synonym Gene Names	IDO; INDO; IDO-1
UniProt Entry Name	I23O1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.