

IDO1 recombinant antibody

Rabbit anti-IDO1 Recombinant Monoclonal Antibody [BLR040F]

CATALOG # AAA213543	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

IDO1; Monoclonal Recombinant Antibody; Rabbit anti-IDO1 Recombinant Monoclonal Antibody [BLR040F]; IDO; indoleamine-pyrrole 2; 3-dioxygenase; indoleamine 2; 3-dioxygenase 1; indole 2; indolamine 2; 3 dioxygenase; IDO-1; INDO; Indoleamine 2; IDO1 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR040F
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	400ug/ml (varies by lot)
Applicable Applications for IDO1 recombinant antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Residues 1-403 (full length)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human IDO1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa cells treated with IFN-gamma (+) or mock treated (-). Antibody: Rabbit anti-IDO1 recombinant monoclonal antibody (AAA213543 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Vinculin .



IP (Immunoprecipitation)

Detection of human IDO1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells treated with IFN-gamma. Antibodies: Rabbit anti-IDO1 recombinant monoclonal antibody (AAA213543 lot 1) used for IP at 15 ul per reaction. IDO1 was also immunoprecipitated by rabbit anti-IDO1 recombinant monoclonal . For blotting immunoprecipitated IDO1, AAA213543 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for IDO1 recombinant antibody	Indoleamine 2,3-dioxygenase (IDO1) is a heme enzyme that catalyzes the first and rate-limiting step in tryptophan catabolism to N-formyl-kynurenine. IDO1 acts on multiple tryptophan substrates including D-tryptophan, L-tryptophan, 5-hydroxy-tryptophan, tryptamine, and serotonin. It 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 [taken from NCBI Entrez Gene (Gene ID: 3620)].
Product Categories/Family for IDO1 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504577
NCBI GeneID	3620
NCBI Accession #	NP_002155.1
NCBI GenBank Nucleotide #	NM_002164.5
UniProt Accession #	P14902; Q540B4; E5RGR8; F6M9T7
Molecular Weight	45,326 Da
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/ido1-recombinant-antibody-clone-blr040f-immunoprecipitation-western-blot-elisa/213543>