

Rabbit IDO1 Polyclonal Antibody | anti-IDO1 antibody

IDO1 antibody - C-terminal region

CATALOG # AAA201299	HOST Rabbit	REACTIVITY Tested:HumanPredicted: Pig, Rabbit	APPLICATIONS Western Blot
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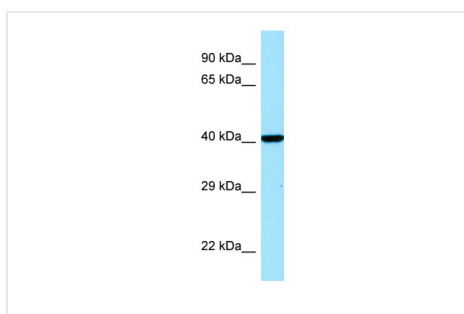
PRODUCT SYNONYMS

IDO1; Polyclonal Antibody; IDO1 antibody - C-terminal region; anti-IDO1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested:Human Predicted: Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer and 0.09% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: IL IPASQQPKEN KTSEDPSKLE AKGTGGTDLM NFLKTVRSTT EKSLKEG
Sequence Length	403
Applicable Applications for anti-IDO1 antibody	WB (Western Blot)
Homology	Human: 100%; Pig: 79%; Rabbit: 93%
Protein Size (#AA)	403 amino acids
Protein Interactions	UBC; APP; TERF2IP; PPP1R16A; DDX24
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-IDO1 Antibody Titration: 1.0 ug/ml Positive Control: Placenta

ADDITIONAL INFORMATION

Related Product Information for anti-IDO1 antibody	This is a rabbit polyclonal antibody against IDO1. It was validated on Western Blot Target Description: 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	Polyclonal; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504577
NCBI GeneID	3620
NCBI Accession #	NP_002155
NCBI GenBank Nucleotide #	NM_002164
UniProt Accession #	P14902
Molecular Weight	45kDa
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.