

Rabbit anti-Human IDO Polyclonal Antibody | anti-IDO antibody

IDO Antibody, Rabbit PAb, Antigen Affinity Purified

CATALOG # AAA258277	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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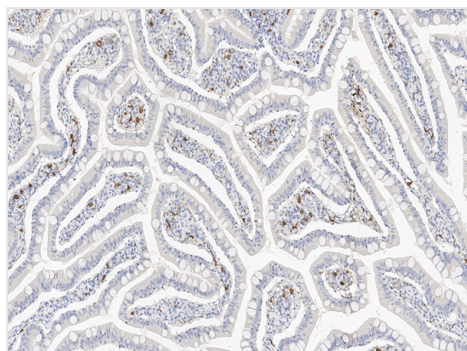
PRODUCT SYNONYMS

IDO; Polyclonal Antibody; IDO Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-IDO Antibody; Rabbit Polyclonal; indoleamine 2; 3-dioxygenase 1; Anti-IDO-1 Antibody; Anti-INDO Antibody; Anti-Indoleamine 2; 3-dioxygenase Antibody; anti-IDO antibody

PRODUCT SPECIFICATIONS

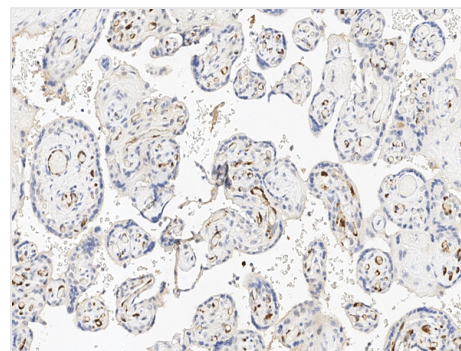
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human IDO
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-IDO antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human IDO fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human IDO fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human IDO in human small intestine with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human IDO in human placenta with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-IDO antibody	Background: Indoleamine 2, 3-dioxygenase-1, also known as Indoleamine-pyrrole 2, 3-dioxygenase, IDO1, and IDO, is a member of the indoleamine 2, 3-dioxygenase family. IDO1/IDO and tryptophan 2, 3-dioxygenase (TDO) are tryptophan-degrading enzymes that catalyze the first step in tryptophan catabolism via the kynurenine pathway. TDO is widely distributed in both eukaryotes and bacteria. In contrast, IDO has been found only in mammals and yeast. In 27, a third enzyme, indoleamine 2, 3-dioxygenase-2 (IDO2), was discovered. IDO2 is found not only in mammals but also in lower vertebrates. IDO1/IDO is an immunosuppressive molecule inducible in various cells. IDO1/IDO catalyzes the cleavage of the pyrrole ring of tryptophan and incorporates both atoms of a molecule of oxygen. It mediates oxidative cleavage of tryptophan, an amino acid essential for cell proliferation and survival. IDO1/IDO inhibition is proposed to have therapeutic potential in immunodeficiency-associated abnormalities, including cancer. The IDO pathway is activated in multiple tumor types. Selective inhibition of IDO1 may represent an attractive cancer therapeutic strategy via up-regulation of cellular immunity. IDO1/IDO is an enzyme that suppresses adaptive T-cell immunity by catabolizing tryptophan from the cellular microenvironment. Inhibition of IDO pathway might enhance the efficacy of immunotherapeutic strategies for cancer.
References	Barnes NA. et al., 2009, J Immunol. 183 (9): 5768-77. Yuasa HJ. et al., 2009, Comp Biochem Physiol B Biochem Mol Biol. 153 (2): 137-44. L b S. et al., 2009, Cancer Immunol Immunother. 58 (1): 153-7. Liu, X. et al., 2010, Blood.115 (17): 3520-30. Sun, T. et al., 2010, Mol Cell Biochem. 342 (1-2): 29-34. Kiank C. et al., 2010, PLoS One. 5 (7): e11825.

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/polyclonal/ido-antibody-immunohistochemistry-elisa/258277>