Datasheet for ABIN3043149

anti-IDO2 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	IDO2
Binding Specificity:	AA 1-20, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IDO2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Indoleamine 2,3-dioxygenase 2(IDO2) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human INDOL1(1-20aa MLHFHYYDTSNKIMEPHRPN).
Sequence:	MLHFHYYDTS NKIMEPHRPN
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Indoleamine 2,3-dioxygenase 2(IDO2) detection. Tested with WB in Human. Gene Name: indoleamine 2,3-dioxygenase 2 Protein Name: ndoleamine 2,3-dioxygenase 2

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	IDO2
Alternative Name:	IDO2 (IDO2 Products)
Background:	IDO2(Indoleamine 2,3-dioxygenase 2), also called INDOLEAMINE 2,3-DIOXYGENASE-LIKE 1 or INDOL1, is an enzyme encoded by the INDOL1 gene which metabolizes tryptophan in the kynurenine pathway. By genomic sequence analysis, the INDOL1 gene is mapped on chromosome 8p12 just downstream of the INDO gene. And its exact cytogenetic location is 8p11.21. By database analysis using INDO as probe, followed by RT-PCR of total RNA from various tissues, IDO2 is cloned by human and mouse INDOL1. INDOL1 catabolizes tryptophan as determined by Kyn production, but unlike INDO, is inhibited by D-1-methyl-tryptophan(D-1MT) but not the L-1MT stereoisomer. The Gene Structure of the INDOL1 has 11 exons and spans 74 kb. Synonyms: 3-dioxygenase 2 antibody|3-dioxygenase-like protein 1 antibody|EC 1.13.11. antibody|I23O2_HUMAN antibody|IDO 2 antibody|IDO-2 antibody|Ido2 antibody|INDOL 1 antibody|Indoleamine 2 antibody|Indoleamine 2,3 dioxygenase 2 antibody|Indoleamine 2,3 dioxygenase like 1 protein antibody|Indoleamine 2,3 dioxygenase like protein 1 antibody|Indoleamine pyrrole 2,3 dioxygenase like 1 antibody|Indoleamine pyrrole 2,3 dioxygenase like protein 1 antibody|Indoleamine-pyrrole 2 antibody

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

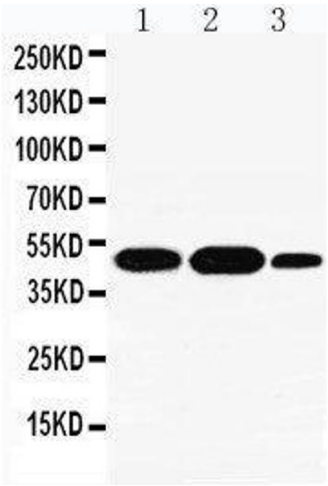
Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images

Western Blotting

Image 1. Anti-INDOL1 antibody, Western blotting Lane 1: A549 Cell Lysate Lane 2: Human Placenta Tissue Lysate Lane 3: A431 Cell Lysate



Western Blotting

Image 2. Anti-INDOL1 antibody, Western blotting Lane 1: A549 Cell Lysate Lane 2: Human Placenta Tissue Lysate Lane 3: A431 Cell Lysate

