Datasheet for ABIN1043821

anti-IDO2 antibody

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Overview

Quantity:	100 µg
Target:	IDO2
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This IDO2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Anti-IDO2 (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with complete mouse IDO2 protein followed by hybridoma development. Immunogen Type: Recombinant Protein
Clone:	1HC
Isotype:	IgG
Specificity:	Anti-IDO2 was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the buffer stated above. IDO2 antibody is specific for mouse IDO2 protein. Cross-reactivity with IDO2 from other sources has not been determined.
Characteristics:	Indoleamine 2,3-dioxygenase 2 (IDO2) is related to IDO1, and may play a role in T and B Cell Immunity. IDO2's role in immune regulation will be become clearer following the completion of genetic knock-out studies. IDO2 is expressed in a few select cell types and levels of protein

Product Details

	expression appear to be very low, perhaps below the level of detection by IHC. Small-molecule inhibitors of indoleamine 2,3-dioxygenase (IDO) are currently being translated to clinic for evaluation as cancer therapeutics.
Sterility:	Sterile filtered

Target Details

Target:	IDO2
Alternative Name:	IDO2 (IDO2 Products)
Background:	Indoleamine 2,3-dioxygenase 2 (IDO2) is related to IDO1, and may play a role in T and B Cell Immunity. IDO2's role in immune regulation will be become clearer following the completion of genetic knock-out studies. IDO2 is expressed in a few select cell types and levels of protein expression appear to be very low, perhaps below the level of detection by IHC. Small-molecule inhibitors of indoleamine 2,3-dioxygenase (IDO) are currently being translated to clinic for evaluation as cancer therapeutics. Synonyms: Indoleamine 2,3-dioxygenase 2, Indol1, Indoleamine 2,3-dioxygenase-like protein 1, Indoleamine-pyrrole 2,3-dioxygenase-like protein 1, Ido-2, Ido 2, IDO2 antibody, anti-IDO2 antibody
Gene ID:	209176
NCBI Accession:	NP_666061
UniProt:	Q8R0V5

Application Details

Application Notes:	Anti-IDO2 antibody has been tested for use in ELISA, Western Blot, and IF. Specific conditions for reactivity should be optimized by the end user.
Comment:	Gene Name: Ido2
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

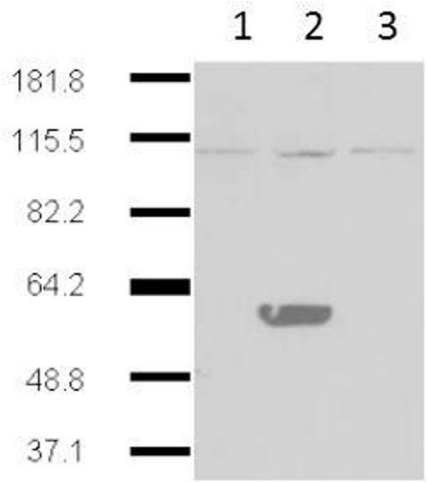
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months

Publications

Product cited in:	Hall, Cowan: "Structural features and restricted expression of a human alpha-tubulin gene." in: **Nucleic acids research**, Vol. 13, Issue 1, pp. 207-23, (1985) (PubMed).

Validation report #101103 for Immunofluorescence (IF)



Western Blotting

Image 1. Western Blot of Mouse Anti-IDO2 antibody. Lane 1: HEK293 no transgene cell extracts. Lane 2: mouse IDO-2 transgene expressed in 293HEK. Lane 3: mouse IDO-1 transgene expressed in 293HEK. Primary antibody: IDO2 monoclonal Antibody. Secondary antibody: mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 44.4 kDa, ~60 kDa for IDO 2. Other band(s): IDO2 splice variants and isoforms.