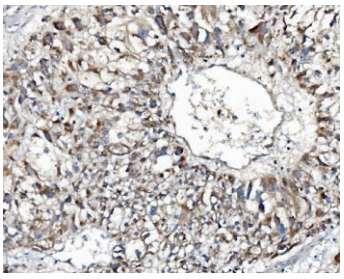
Indoleamine 2,3-dioxygenase 2 Antibody / IDO2 / INDOL1 (RQ6383)

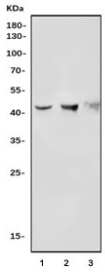
Catalog No.	Formulation	Size
RQ6383	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

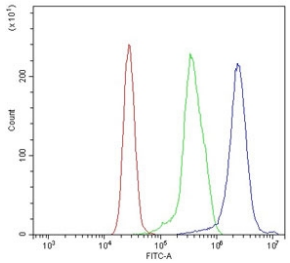
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6ZQW0
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Indoleamine 2,3-dioxygenase 2 antibody is available for research use only.



IHC staining of FFPE human liver cancer with Indoleamine 2,3-dioxygenase 2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat liver, 2) mouse liver and 3) monkey kidney tissue lysate with Indoleamine 2,3-dioxygenase 2 antibody. Predicted molecular weight ~47 kDa.



Flow cytometry testing of human K562 cells with Indoleamine 2,3-dioxygenase 2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Indoleamine 2,3-dioxygenase 2 antibody.

Description

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.

Application Notes

Optimal dilution of the Indoleamine 2,3-dioxygenase 2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-R357) was used as the immunogen for the Indoleamine 2,3-dioxygenase 2 antibody.

Storage

After reconstitution, the Indoleamine 2,3-dioxygenase 2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com