

Basic Information

Product Name	Anti-IDO2 Antibody
Gene Name	IDO2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human INDOL1.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	45 kDa
Dilution Ratios	Western blot (WB):1:500-2000

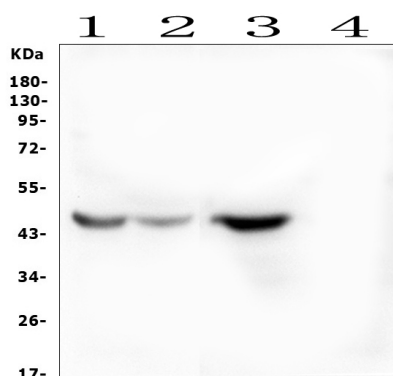
Storage

12 months from date of receipt, -20°C as supplied.

Background Information

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.

Selected Validation Data



Western blot analysis of IDO2 using anti-IDO2 antibody (BA3660-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human A549 whole cell lysates (positive control),

Lane 2: human placenta tissue lysates (positive control),

Lane 3: human Caco-2 whole cell lysates (positive control),

Lane 4: human PC-3 whole cell lysates (negative control).

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-IDO2 antigen

affinity purified polyclonal antibody (BA3660-2) at a dilution of

1:1000 and probed with a goat anti-rabbit IgG-HRP secondary

antibody (Catalog # BA1054). The signal is developed using ECL Plus

Western Blotting Substrate (Catalog # AR1197). A specific band was

detected for IDO2 at approximately 45 kDa. The expected band size

for IDO2 is at 45 kDa.