Product Name: IDO 2 Rabbit Polyclonal Antibody
Catalog #: APRab00626

Summary

Production Name	IDO 2 Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	IDO2
Alternative Names	IDO2; INDOL1; Indoleamine 2; 3-dioxygenase 2; IDO-2; Indoleamine 2; 3-dioxygenase-like protein 1; Indoleamine-pyrrole 2; 3-dioxygenase-like protein 1
Gene ID	169355
SwissProt ID	Q6ZQW0

Application

Dilution Ratio	WB: 1/500-1/1000 ELISA: 1/10000
Molecular Weight	Calculated MW: 47 kDa; Observed MW: 47 kDa

Background

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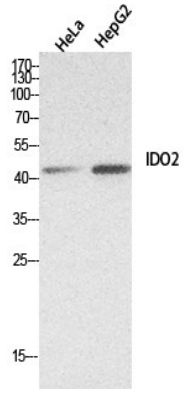
INDOL1 is also known as IDO2 (indoleamine 2,3-dioxygenase 2) and is a 407 amino acid protein that is expressed in various tissues, including liver, small inTine, spleen, placenta, thymus, lung, brain, kidney, colon and dendritic cells. INDOL1 is selectively inhibited by D-1MT (1-methyl-d-tryptophan), which also inhibits IDO (indoleamine 2,3-dioxygenase) and is significant because IDO expression causes suppression of T cell responses to tumors in dendritic cells. The inhibition of INDOL1 by D-1MT suggests a common function in immunomodulation. In the human INDOL1 gene, two single nucleotide polymorphisms have been detected which abolish the enzymatic function of INDOL1.

Research Area

Signal Transduction

Image Data



Western blot analysis of IDO 2 in HeLa, HepG2 lysates using IDO 2 antibody.

Note

For research use only.