

IDO1 Polyclonal Antibody

Catalog Number:E-AB-93146



Note: Centrifuge before opening to ensure complete recovery of vial contents.

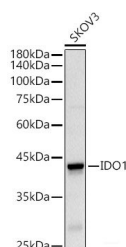
Description

Reactivity	Human,Rat
Immunogen	Recombinant fusion protein of human IDO1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% proclin300,50% glycerol,pH7.3.

Applications Recommended Dilution

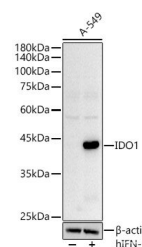
WB	1:500-1:2000
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Data



Western blot analysis of extracts of SKOV3 cells using IDO1 Polyclonal Antibody at 1:500 dilution.

Observed Mw:40KDa
Calculated Mw:45kDa



Western blot analysis of extracts of A-549 cells using IDO1 Polyclonal Antibody antibody at 1:500 dilution. A-549 cells were treated by hIFN- γ (100 ng/mL) at 37°C for 48 hours.

Preparation & Storage

Storage Store at -20°C. Avoid freeze/thaw cycles.

Background

This gene encodes indoleamine 2,3-dioxygenase (IDO) - a heme enzyme that catalyzes the first and rate-limiting step in tryptophan catabolism to N-formyl-kynurenine. This enzyme acts on multiple tryptophan substrates including D-tryptophan, L-tryptophan, 5-hydroxy-tryptophan, tryptamine, and serotonin. This enzyme is thought to play a role in a variety of pathophysiological processes such as antimicrobial and antitumor defense, neuropathology, immunoregulation, and antioxidant activity. Through its expression in dendritic cells, monocytes, and macrophages this enzyme modulates T-cell behavior by its peri-cellular catabolization of the essential amino acid tryptophan.

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