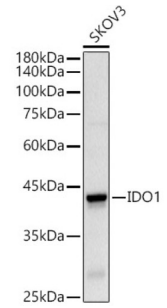
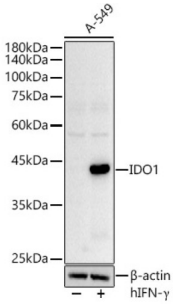
Indoleamine 2,3-Dioxygenase 1 (INDO) Antibody

Catalogue No.:abx001358



Western blot analysis of extracts of SKOV3 cells using IDO1 Antibody (1/500 dilution).



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

INDO Antibody is a Rabbit Polyclonal antibody against INDO. 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.

Target:	Indoleamine 2,3-Dioxygenase 1 (INDO)
Clonality:	Polyclonal
Reactivity:	Human, Rat
Tested Applications:	WB
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human IDO1
Isotype:	IgG

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Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P14902 (UniProt, ExPASy)
Gene Symbol:	IDO1
GeneID:	3620
NCBI Accession:	NP_002155.1
Molecular Weight:	Calculated MW: 45 kDa Observed MW: 40 kDa
Buffer:	PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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