

# IDO1 Rabbit pAb

Catalog No.: A1614

3 Publications

## Basic Information

**Observed MW**

43kDa

**Calculated MW**

45kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IF/ICC

**Cross-Reactivity**

Human, Rat

## 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.

## Recommended Dilutions

**WB** 1:100 - 1:500**IF/ICC** 1:50 - 1:200

## Immunogen Information

**Gene ID**

3620

**Swiss Prot**

P14902

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-403 of human IDO1 (NP\_002155.1).

**Synonyms**

IDO; INDO; IDO-1; IDO1

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

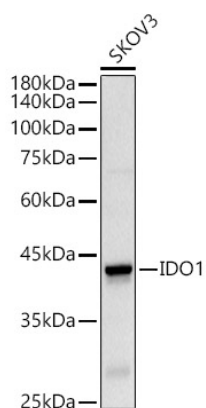
Affinity purification

**Storage**

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

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of extracts of SKOV3 cells, using IDO1 Rabbit pAb antibody (A1614) at 1:500 dilution.

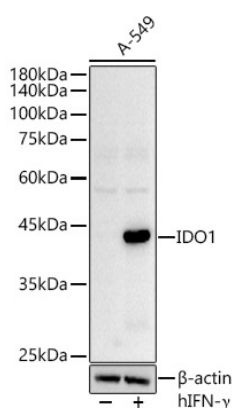
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of extracts of A-549 cells, using IDO1 Rabbit pAb antibody (A1614) at 1:500 dilution. A-549 cells were treated by hIFN-γ (100 ng/mL) at 37°C for 48 hours.

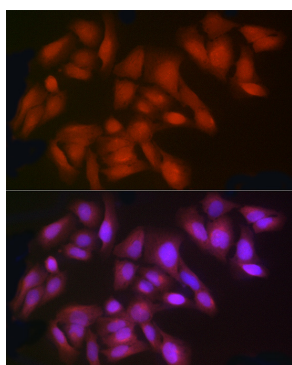
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using IDO1 Rabbit pAb (A1614) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.