# IDO1 Polyclonal Antibody

**catalog number: E-AB-93146**

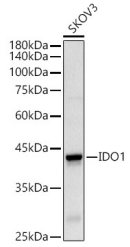
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Rat |
| **Immunogen** | Recombinant fusion protein of human IDO1 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Purification** | Affinity purification |
| **Buffer** | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:2000 |

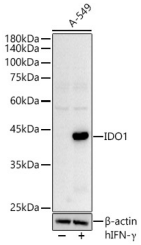
## Data




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

**Observed-MV:40 kDa**

**Calculated-MV:45 kDa**




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℃ for 48 hours.

**Observed-MV:40 kDa**

**Calculated-MV:45 kDa**

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## 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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