# IDO1 Polyclonal ANTIBODY

**Catalog Number:** 13268-1-AP

---

## Basic Information

- **Catalog Number:** 13268-1-AP
- **Size:** 38 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG3953
- **GenBank Accession Number:** BC027982
- **GeneID (NCBI):** 3620
- **Calculated MW:** 403aa, 45 kDa
- **Observed MW:** 42 kDa

## Applications

- **Tested Applications:** IHC, WB, ELISA
- **Cited Applications:** IF, WB
- **Species Specificity:** human
- **Cited Species:** human, rat

**Note:** IHC: suggested antigen retrieval with TE buffer pH 9.0. (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

### Positive Controls:
- **WB:** human placenta tissue; IFN gamma treated HeLa cells
- **IHC:** human tonsillitis tissue

## Background Information

IDO1 is the target for therapy in a range of clinical settings, including cancer, chronic infections, autoimmune and allergic syndromes, and transplantation. Elevated IDO1 expression is a hallmark of major viral infections including HIV, HBV, HCV, or influenza and also of major bacteria infections, such as Tb, CAP, listeriosis and sepsis. Pathogens are able to hijack the immunosuppressive effects of IDO1 and make use of them to facilitate their own life cycle. MW of IDO1 is 40-42kDa (PMID: 14502282; 17055065).

## Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hironori Bando</td>
<td>30283439</td>
<td>Front Immunol</td>
<td>WB, IF</td>
</tr>
<tr>
<td>Zhizhi Zhang</td>
<td>25212102</td>
<td>J Oral Pathol Med</td>
<td>WB</td>
</tr>
<tr>
<td>Sachyio Yoshio</td>
<td>26486241</td>
<td>Hepatology</td>
<td>WB</td>
</tr>
</tbody>
</table>

## Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting:** Aliquoting is unnecessary for -20°C storage.

---

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintechn@ptglab.com

W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 13268-1-AP (IDO1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Human placenta tissue were subjected to SDS PAGE followed by western blot with 13268-1-AP (IDO1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13268-1-AP (IDO1 Antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13268-1-AP (IDO1 Antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).