

Datasheet for ABIN7126294  
**anti-IDO2 antibody (AA 200-350)**



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## Overview

|                      |                                                                                 |
|----------------------|---------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                          |
| Target:              | IDO2                                                                            |
| Binding Specificity: | AA 200-350                                                                      |
| Reactivity:          | Human                                                                           |
| Host:                | Mouse                                                                           |
| Clonality:           | Monoclonal                                                                      |
| Conjugate:           | This IDO2 antibody is un-conjugated                                             |
| Application:         | ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)) |

## Product Details

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Immunogen:   | Recombinant fragment (around aa 200-350) of human IDO2 protein (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity: | IDO2 is a presumptive immunomodulatory gene based on its close structural relationship to IDO1 and its expression in a variety of antigen-presenting cell types. Both IDO1 and IDO2 will catabolize tryptophan to kynurenine. Biochemical studies indicate that both enzymes are similarly robust in catabolic activity, although the in vitro conditions required for IDO2 to manifest the same level of activity differ somewhat from IDO1. However, whether IDO2 is active as a tryptophan catabolizing enzyme in human dendritic cells has been disputed. Further work is needed to conclusively determine that IDO1 and IDO2 are similar in their preference for substrates and reaction pathways to generate product. A non-redundant function for IDO2 relative to IDO1 is suggested by their rather distinct expression patterns and response to |

## Product Details

|                             |                                                         |
|-----------------------------|---------------------------------------------------------|
|                             | extracellular stimuli.                                  |
| Cross-Reactivity (Details): | Human.                                                  |
| Purification:               | 1.0mg/ml of Ab purified from Bioreactor by Protein A/G. |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | IDO2                                                                                                                                                                                                                                                                                                      |
| Alternative Name: | IDO2 ( <a href="#">IDO2 Products</a> )                                                                                                                                                                                                                                                                    |
| Background:       | 3-dioxygenase 2, 3-dioxygenase-like protein 1, EC 1.13.11., INDOL 1, Indoleamine 2, Indoleamine 2,3 dioxygenase 2, Indoleamine 2,3 dioxygenase like 1 protein, Indoleamine pyrrole 2,3 dioxygenase like 1, Indoleamine-pyrrole 2,IDO2 / Indoleamine 2,3-dioxygenase 2<br>Cellular localisation: Cytoplasm |
| Molecular Weight: | 47kDa                                                                                                                                                                                                                                                                                                     |
| Gene ID:          | 169355, 676257                                                                                                                                                                                                                                                                                            |
| UniProt:          | <a href="#">Q6ZQW0</a>                                                                                                                                                                                                                                                                                    |

## Application Details

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| Application Notes: | Known_Application: ELISA (For coating, order antibody without BSA),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.<br>Positive_Control: Human placenta or liver. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Handling

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|------------------|-----------------------------------------------------------------------------------------|
| Concentration:   | 1.0 mg/mL                                                                               |
| Buffer:          | Prepared in 10 mM PBS, WITHOUT BSA and Azide.                                           |
| Preservative:    | Azide free                                                                              |
| Storage:         | -20 °C,-80 °C                                                                           |
| Storage Comment: | Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non- |

Handling

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hazardous.

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Expiry Date: 24 months