

## Indoleamine 2,3-dioxygenase Rabbit pAb

db7665

Package : 20µL 50µL 100µL

**Product Name** : Indoleamine 2,3-dioxygenase Rabbit pAb**Cat.No.:** db7665**Synonyms** : IDO; INDO; IDO-1**Application** : WB, ICC/IF**Reactivity** : Human**Host species** : Rabbit**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. [provided by RefSeq, Feb 2011]

**Immunogen**

A synthetic peptide of human Indoleamine 2,3-dioxygenase

**Gene ID**

3620

**Swiss Prot**

P14902

**Synonyms**

IDO; INDO; IDO-1

**Reactivity**

Human

**Application**

WB, ICC/IF

**Recommended dilution**

WB: 1:2000

ICC/IF: 1:20

**Calculated MW**

45 kDa

**Observed MW**

45 kDa

**Host species**

Rabbit

**Clonality**

Polyclonal

**Isotype**

IgG

**Purity**

Affinity Purification

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**Conjugation**

Un-conjugated

**Storage Stability**

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.