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

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.