

## CAB12125

---

### Product Information

<b>Product SKU:</b>	CAB12125	<b>Gene ID:</b>	3620	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC0560	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse

---

### Additional Information

<b>Observed MW:</b>	42kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	45kDa	<b>Isotype:</b>	IgG

---

### Immunogen Information

**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 pericellular catabolization of the essential amino acid tryptophan.

**Recommended Dilution:** IHC-P,1:50 - 1:200

**Synonyms:** IDO; INDO; IDO-1; IDO1

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 50-150 of human IDO1 (P14902).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.