

## Datasheet

### IDO1 polyclonal antibody

**Catalog Number:** PAB2571

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic peptide of IDO1.

**Immunogen:** A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human IDO1.

**Host:** Rabbit

**Reactivity:** Human

**Applications:** IHC-P, WB-Ce  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Ammonium sulfate precipitation

**Recommend Usage:** Western Blot (1:1000)  
Immunohistochemistry (1:10-50)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.09% sodium azide)

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3620

**Gene Symbol:** IDO1

**Gene Alias:** CD107B, IDO, INDO

**Gene Summary:** Gamma-interferon (IFNG; MIM 147570) has an antiproliferative effect on many tumor cells and inhibits intracellular pathogens such as Toxoplasma and Chlamydia, at least partly because of the induction of indoleamine 2,3-dioxygenase (INDO; EC

1.13.11.52). This enzyme catalyzes the degradation of the essential amino acid L-tryptophan to N-formyl-kynurenine.[supplied by OMIM]

#### References:

1. The role of serine 167 in human indoleamine 2,3-dioxygenase: a comparison with tryptophan 2,3-dioxygenase. Chauhan N, Basran J, Efimov I, Svistunenko DA, Seward HE, Moody PC, Raven EL. Biochemistry. 2008 Apr 22;47(16):4761-9. Epub 2008 Mar 28.
2. Cytochrome b5, not superoxide anion radical, is a major reductant of indoleamine 2,3-dioxygenase in human cells. Maghzal GJ, Thomas SR, Hunt NH, Stocker R. J Biol Chem. 2008 May 2;283(18):12014-25. Epub 2008 Feb 25.
3. Indoleamine 2,3-dioxygenase (IDO): the antagonist of type I interferon-driven skin inflammation? Scheler M, Wenzel J, Tuting T, Takikawa O, Bieber T, von Bubnoff D. Am J Pathol. 2007 Dec;171(6):1936-43. Epub 2007 Nov 30.