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Product datasheet for AP31917PU-N

IDO1 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, PEP-ELISA, WB
Recommended Dilution:	**Peptide ELISA:** 1/128000 (Detection limit). **Western Blot:** 0.5-1.5 µg/ml. Approx 50kDa band observed in Human Lymph Node, Spleen and Placenta lysates (calculated MW of 45.3kDa according to NP_002155.1). **Immunohistochemistry on Paraffin Sections:** 4-6 µg/ml. In paraffin embedded Human Colon shows textured staining in the cytoplasm of absorptive cells.
Reactivity:	Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide (CVLANWKKKDPNK) from the internal region of Human IDO1 (NP_002155.1).
Specificity:	This antibody recognizes INDO / IDO.
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Antigen Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	indoleamine 2,3-dioxygenase 1
Database Link:	Entrez Gene 3620 Human P14902

View online »

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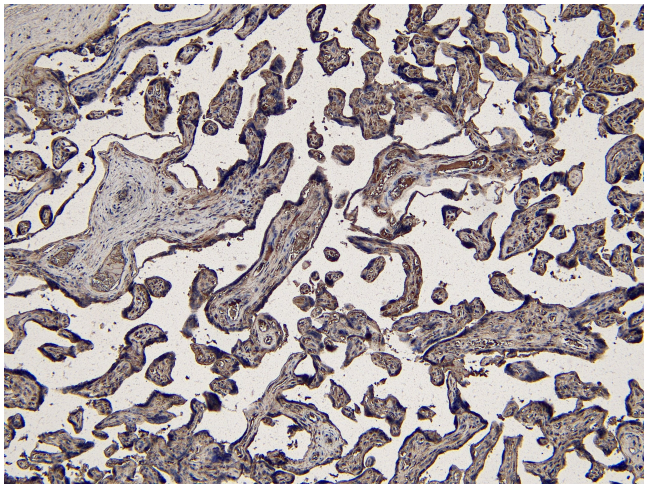
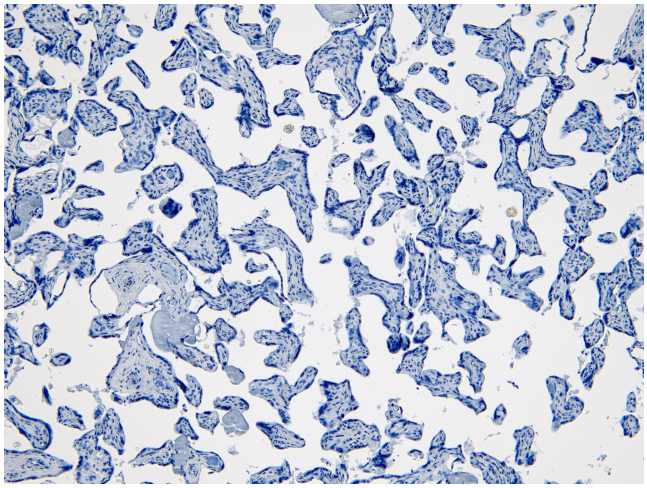
Background: IDO is expressed by a wide variety of tissues and IDO can be upregulated by interferon gamma. IDO modulates levels of the amino acid tryptophan, which is vital for cell growth, but is also involved in the suppression of the immune response. Reports suggest that IDO is involved in the suppression of the immune response to tumours and blocking the IDO pathway may be a potential target for immunotherapy.

Synonyms: IDO1, IDO, INDO, Indoleamine 2,3-dioxygenase 1, EC=1.13.11.52, Indoleamine 2,3-dioxygenase, IDO, Indoleamine-pyrrole 2,3-dioxygenase

Product images:



AP31917PU-N (6µg/ml) staining of paraffin embedded Human Placenta. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



AP31917PU-N Negative Control showing staining of paraffin embedded Human Placenta, with no primary antibody.

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