INDO polyclonal antibody

Catalog: BS60456 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Indoleamine 2,3-dioxygenase (IDO) is an IFN-γ inducible enzyme that catalyzes the degradation of the essential amino acid L-tryptophan to N-formylkynurenine. The gene encoding human IDO maps to chromosome 8p12-p11. IDO, also known as INDO, is an important modulator of immunological responses and protects allogeneic concepti from alloreactive maternal lymphocytes. IDO mediates an interesting inhibitory effect of HeLa cells co-cultured with human PBLs. The ILN-2-induced proliferation response of PBLs is diminished in the presence of HeLa cells while an IDO inhbitor negates this effect. Flow cytometric analysis indicates both mature and immature CD123-positive dentritic cells suppress T cell activity using IDO. IDO-transfected cells co-cultured with T cells reduces T cell proliferation.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 45 kDa

Swiss-Prot:

P14902

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

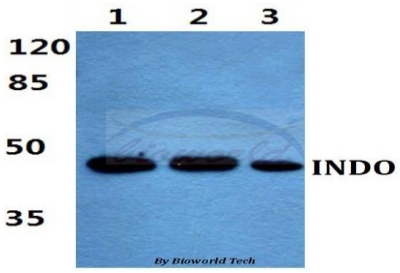
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

INDO polyclonal antibody detects endogenous levels of INDO protein.

DATA:



Western blot (WB) analysis of INDO polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate treated with IFNγ(100ug/ml,15mins)

Lane2:A549 cell lysate treated with IFNγ(100ug/ml,15mins)

Lane3:H9C2 cell lysate treated with IFNγ(100ug/ml,15mins)

Note:

For research use only, not for use in diagnostic procedure.

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