

IDO Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human IDO1
Form	Liquid
Concentration	0.1 mg/mL
Purification	Anitgen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2789972

Applications	Tested Dilution	Publications
Western Blot (WB)	0.04-0.4 µg/mL	-
Immunohistochemistry (IHC)	1:50-1:200	-

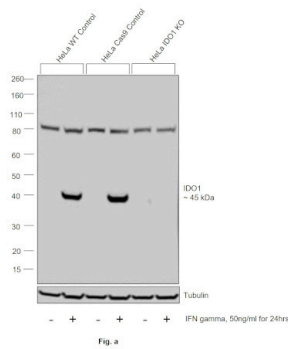
Product Specific Information

Immunogen sequence: LCSLESNPSV REFVLSKGDA GLREAYDACV KALVSLRSYH LQIVTKYILI PASQQPKENK
TSEDPSKLEA KGTGGTDLMN FLK

Product Images For IDO Polyclonal Antibody

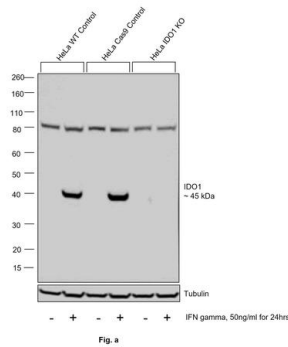
IDO Antibody (PA5-82816)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in IDO1 KO cell line compared to control cell line using Anti-IDO Polyclonal Antibody (Product # PA5-82816). {KO}



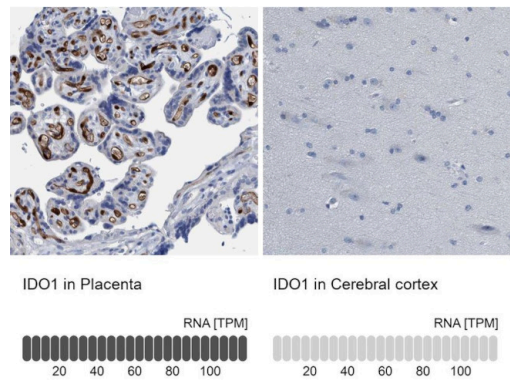
IDO Antibody (PA5-82816) in WB

Knockout of IDO1 was achieved by CRISPR-Cas9 genome editing using LentiArray™ Lentiviral sgRNA (Product # A32042, Assay ID CRISPR864924_LV) and LentiArray Cas9 Lentivirus (Product # A32064). Western blot analysis of IDO1 was performed by loading 40 µg of HeLa wild type (Lane 1), HeLa wild type treated with 50 ng/mL IFN gamma for 24hrs (Lane 2), HeLa Cas9 (Lane 3), HeLa Cas9 treated with 50 ng/mL IFN gamma for 24hrs (Lane 4), HeLa IDO1 KO (Lane 5) and HeLa IDO1 KO treated with 50 ng/mL IFN gamma for 24hrs (Lane 6) whole cell extracts. The samples were electrophoresed using NuPAGE™ Novex™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with Anti-IDO Polyclonal Antibody (Product # PA5-82816, 1;500 dilution) and Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1;20000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Loss of signal upon CRISPR mediated knockout (KO) using the LentiArray™ CRISPR product line confirms that antibody is specific to IDO1. Uncharacterized band was observed in all the samples at ~80 kDa.



IDO Antibody (PA5-82816)

Relative expression in different tissues in IHC: Detection of differential expression levels of IDO demonstrates antibody specificity. Immunohistochemical analysis of IDO using anti-IDO Polyclonal Antibody (Product #PA5-82816), shows significant staining of IDO in placenta and shows minimal or weak staining in cerebral cortex tissues. The relative expression levels of IDO within each tissue is shown using RNA-Seq. {RE}



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