

IDO Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein encompassing a sequence within the center region of human IDO1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol
Contains	0.01% thimerosal
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2792535

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-

Product Specific Information

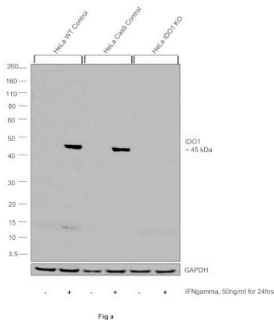
Keep as concentrated solution.

Predicted reactivity: Rhesus Monkey (97%).

Positive Control: A549 (starvation for 24 hr, and 100 ng/mL IFN-gamma treatment for 48 hr), IDO1-transfected 293T.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For IDO Polyclonal Antibody

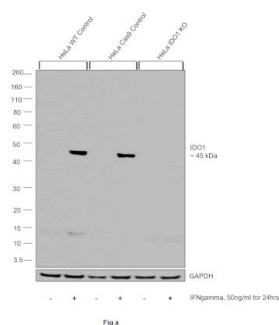


IDO Antibody (PA5-85393)

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 IDO Polyclonal Antibody (Product # PA5-85393). {KO}

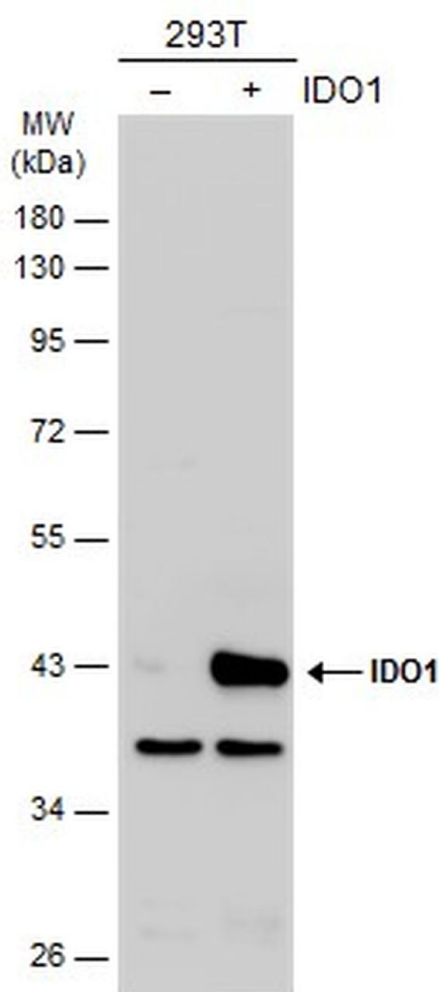
IDO Antibody (PA5-85393) in WB

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 30 µg of HeLa wild type (Lane 1), HeLa wild type treated with 50 ng/mL IFNgamma for 24hrs (Lane 2), HeLa Cas9 (Lane 3), HeLa Cas9 treated with 50 ng/mL IFNgamma for 24hrs (Lane 4), HeLa IDO1 KO (Lane 5) and HeLa IDO1 KO treated with 50 ng/mL IFNgamma 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 IDO Polyclonal Antibody (Product # PA5-85393, 1:1000) and detected by Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:10,000) using the iBright™ FL1500 (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076). Loss of signal upon CRISPR mediated knockout (KO) using the LentiArray™ CRISPR product line confirms that antibody is specific to IDO1.



IDO Antibody (PA5-85393) in WB

Western Blot analysis of IDO was performed by separating 30 µg of non-transfected (–) and transfected (+) 293T whole cell extracts by 10% SDS-PAGE. Proteins were transferred to a membrane and probed with a IDO Polyclonal Antibody (Product # PA5-85393) at a dilution of 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



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