

Transferrin Polyclonal Antibody

Product Details	
Size	500 µg
Species Reactivity	Human
Host/Isotype	Chicken / IgY
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues 30-41, 292-303, and 422-431 of human transferrin.
Form	Liquid
Concentration	1 mg/mL
Purification	IgY fraction
Storage buffer	PBS
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_1088031

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	-
ELISA (ELISA)	1:1,000-1:5,000	-

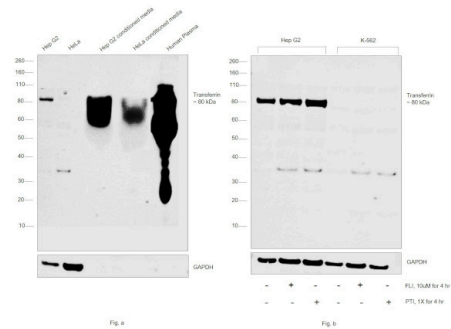
Product Specific Information

PA1-9525 detects Transferrin in human samples.

PA1-9525 has been successfully used in Western blot and ELISA procedures. By Western blot, PA1-9525 detects a ~75 kDa protein representing Transferrin.

The PA1-9525 immunogen is a mix of synthetic peptide corresponding to residues 30-41, 292-303, and 422-431 of human transferrin.

Product Images For Transferrin Polyclonal Antibody



Transferrin Antibody (PA1-9525)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Western Blot analysis using Anti-Transferrin Polyclonal Antibody (Product # PA1-9525) shows increased expression of Transferrin in Hep G2 treated with secretory blockers in comparison to K-562 which is negative for Transferrin expression along with little or no expression in HeLa and HeLa conditioned media. {RE}

Transferrin Antibody (PA1-9525) in WB

Western blot was performed using Anti-Transferrin Polyclonal Antibody (Product # PA1-9525) and a 80 kDa band corresponding to Transferrin was observed across the samples except in HeLa and HeLa conditioned media in Fig. a and was also observed in Hep G2 cells upon treatment with secretion blockers (FLI-06 and PTI) in Fig. b. The expression of Transferrin was not observed in K-562 as reported in literature. An additional uncharacterized band was observed at ~35 kDa across all the samples tested. Whole cell extracts (30ug lysate) of Hep G2 (Lane 1), HeLa (Lane 2), 7 ul of Hep G2 conditioned media (Lane 3), 7 ul of HeLa conditioned media (Lane 4) and 2ul of Human Plasma (Lane 5) in Fig. a; whole cell extracts (30ug lysate) of Hep G2 (Lane 1) Hep G2 treated with FLI-06 (10uM for 4hr) (Lane 2), Hep G2 treated with PTI (1X for 4hr) (Lane 3), K-562 (Lane 4), K-562 treated with FLI-06 (10uM for 4hr) (Lane 5) and K-562 treated with PTI (1X for 4hr) (Lane 6) were electrophoresed using Novex® NuPAGE® 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 the primary antibody (1:1000 dilution) and detected by ECL with Goat anti-Chicken IgY (H+L) Secondary Antibody, HRP (Product # A16054, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Detection with Novex® ECL Kit (Product # WP20005).

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