

HPRT1 Polyclonal Antibody

| Product Details | |
|--------------------|---|
| Size | 100 µL |
| Species Reactivity | Human, Mouse, Rat |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Recombinant fragment corresponding to a region within amino acids 1 and 218 of HPRT (Uniprot ID#P00492) |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | Antigen affinity chromatography |
| Storage buffer | 0.1M tris glycine, pH 7, with 10% 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_11156209 |

| Applications | Tested Dilution | Publications |
|---|-----------------|--------------|
| Western Blot (WB) | 1:500-1:3,000 | - |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100-1:1,000 | - |
| Immunocytochemistry (ICC/IF) | 1:100-1:1,000 | - |

Product Specific Information

Recommended positive controls: 293T, A431, HeLa, HepG2, PC-12, Rat2, rat brain.

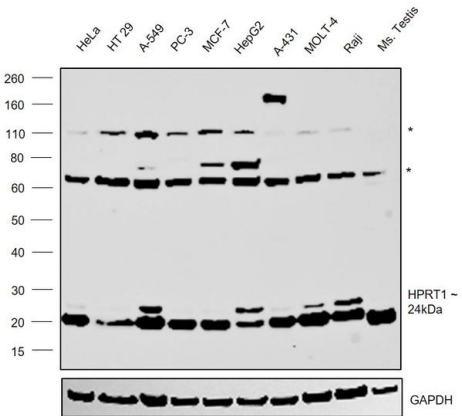
Predicted reactivity: Rat (97%), Zebrafish (92%), Xenopus laevis (90%), Dog (96%), Pig (97%), Rabbit (98%), Chicken (91%), Chimpanzee (99%), Bovine (95%).

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

Product Images For HPRT1 Polyclonal Antibody

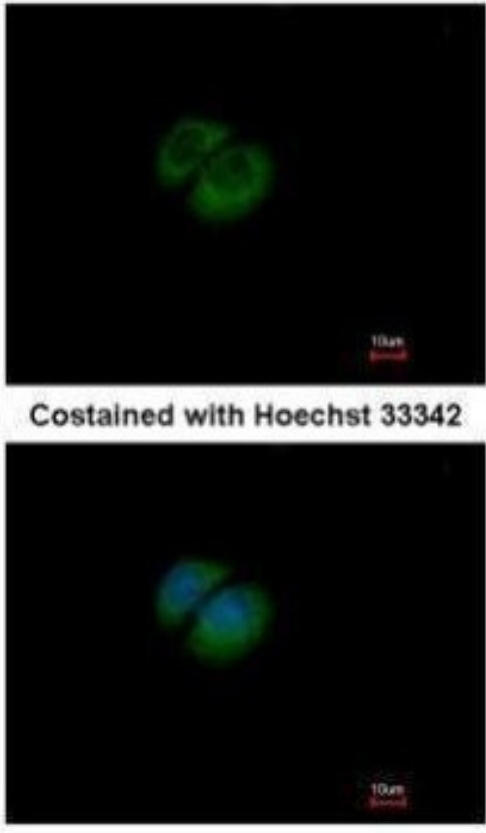
HPRT1 Antibody (PA5-21342) in WB

Western blot was performed using Anti-HPRT1 Polyclonal Antibody (Product # PA5-21342) and a ~24kDa band corresponding to HPRT1 was observed across cell lines and tissues tested . Whole cell extracts (30 µg lysate) of HeLa (Lane 1), HT-29 (Lane 2), A549 (Lane 3), PC-3 (Lane 4), MCF7 (Lane 5), Hep G2 (Lane 6), A-431 (Lane 7), MOLT-4 (Lane 8), Raji (Lane 9) and Mouse Testis (Lane 10), were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Two non specific bands were observed around 60 and 110 kDa.



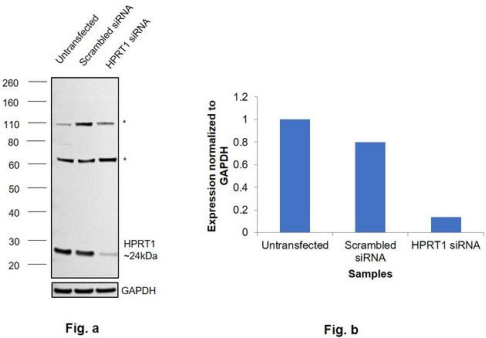
HPRT1 Antibody (PA5-21342) in ICC/IF

Immunofluorescence analysis of methanol-fixed A549, using HPRT antibody (Product # PA5-21342) at 1:500 dilution.



HPRT1 Antibody (PA5-21342) in WB

Knockdown of HPRT1 was achieved by transfecting PC-3 with HPRT1 specific siRNAs (Silencer® select Product # S6889, S6888). Western blot analysis (Fig. a) was performed using Whole cell extracts from the HPRT1 knockdown cells (lane 3), non-targeting scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blot was probed with HPRT1 Polyclonal Antibody (Product # PA5-21342, 1 µg/mL) and Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to HPRT1.Two non specific bands were observed around 60 kDa and 110 kDa.



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