

# 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 23 and 218 of HPRT (Uniprot ID#P00492)
Form	Liquid
Concentration	1.06 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11153553

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, Molt-4, Raji, mouse liver.

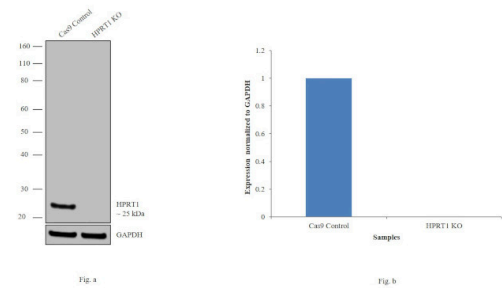
Predicted reactivity: Rat (96%), Zebrafish (93%), Xenopus laevis (92%), Dog (96%), Pig (97%), Rabbit (98%), Chicken (94%), Chimpanzee (99%), Bovine (94%).

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

Product Images For HPRT1 Polyclonal Antibody

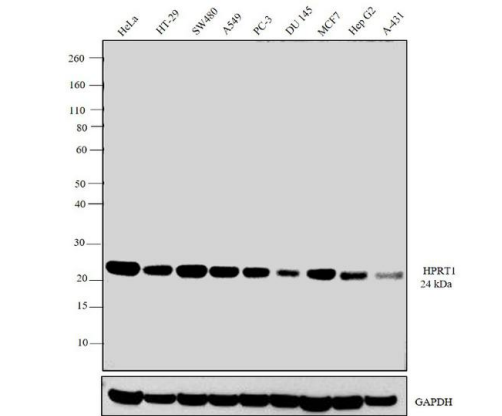
HPRT1 Antibody (PA5-22281)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in HPRT1 KO cell line compared to control cell line using HPRT1 Polyclonal Antibody (Product # PA5-22281). {KO}



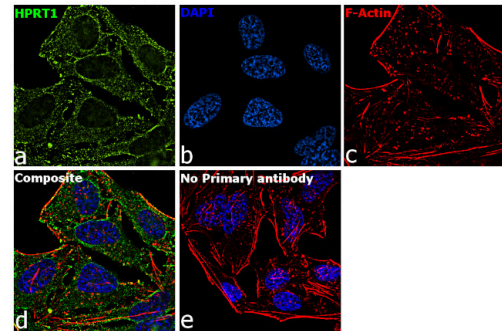
HPRT1 Antibody (PA5-22281) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), HT-29 (Lane 2), SW480 (Lane 3), A549 (Lane 4), PC-3 (Lane 5), DU 145 (Lane 6), MCF7 (Lane 7), Hep G2 (Lane 8) and A-431 (Lane 9). The blot was probed with Anti- HPRT1 Polyclonal Antibody (Product # PA5-22281, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 24 kDa band corresponding to HPRT1 was observed across the cell lines tested.



HPRT1 Antibody (PA5-22281) in ICC/IF

Immunofluorescence analysis of HPRT1 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with HPRT1 Rabbit Polyclonal Antibody (Product # PA5-22281) at 5 microgram/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing Cytoplasm and Membrane localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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