

GSTP1 Recombinant Rabbit Monoclonal Antibody (RM347)

Product Details

Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	RM347
Conjugate	Unconjugated
Immunogen	A peptide corresponding to the C-terminus of human GST3/GST-pi
Form	Liquid
Concentration	0.1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1% BSA, 50% glycerol
Contains	0.09% sodium azide
Storage conditions	-20°C
RRID	AB_2744966

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:1,000-1:20,000	-
Immunocytochemistry (ICC/IF)	1:100	-

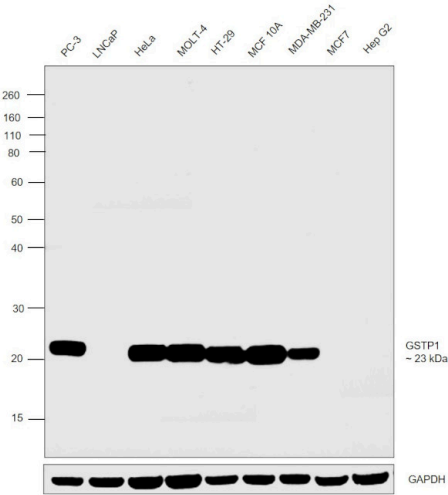
Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For GSTP1 Recombinant Rabbit Monoclonal Antibody (RM347)

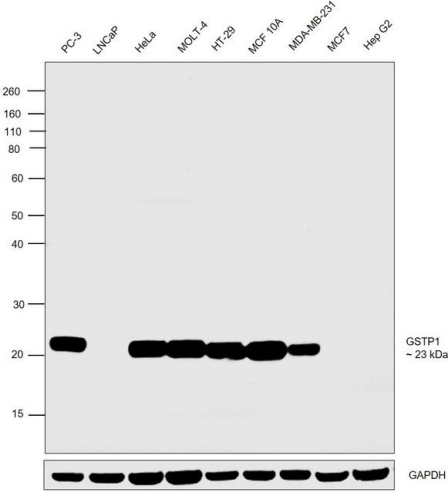
GSTP1 Antibody (MA5-27913)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of Glutathione S-transferase P was observed in in PC-3, HeLa, MOLT-4, HT-29, MCF 10A and MDA-MB-231 which are reported to be positive and not in LNCaP, MCF7 and Hep G2 which are negative cell lines using Anti-GSTP1 Recombinant Rabbit Monoclonal Antibody (RM347) (Product # MA5-27913) in Western Blot. {RE}



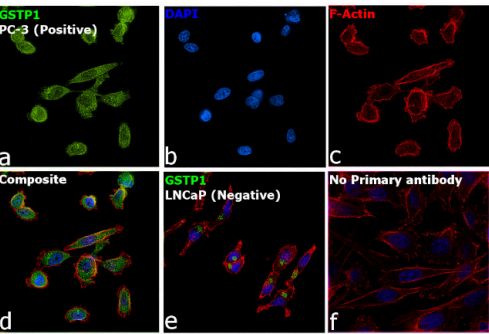
GSTP1 Antibody (MA5-27913) in WB

Western Blot was performed using Anti-GSTP1 Recombinant Rabbit Monoclonal Antibody (RM347) (Product # MA5-27913) and a 23 kDa band corresponding to Glutathione S-transferase P was observed in PC-3, HeLa, MOLT-4, HT-29, MCF 10A and MDA-MB-231 which are reported to be positive and not in any other cell lines. Whole cell extracts (30 µg lysate) of PC-3 (Lane 1), LNCaP (Lane 2), HeLa (Lane 3), MOLT-4 (Lane 4), HT-29 (Lane 5), MCF 10A (Lane 6), MDA-MB-231 (Lane 7), MCF7 (Lane 8) and Hep G2 (Lane 9) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



GSTP1 Antibody (MA5-27913)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-GSTP1 Recombinant Rabbit Monoclonal Antibody (RM347) (Product # MA5-27913), shows expression of GSTP1 in PC-3 cells when compared to LNCaP cells. {RE}



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