

MEL18 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Bovine, Dog, Human
Host/Isotope	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	synthetic peptide KMTVNGAPVPPLT (Human).
Form	Liquid
Concentration	0.5 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	TBS, pH 7.3, with 0.5% BSA
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_1956686

Applications	Tested	Dilution	Published
ELISA (ELISA)	✓	1:16,000	
Western Blot (WB)	✓	1-2 µg/mL	

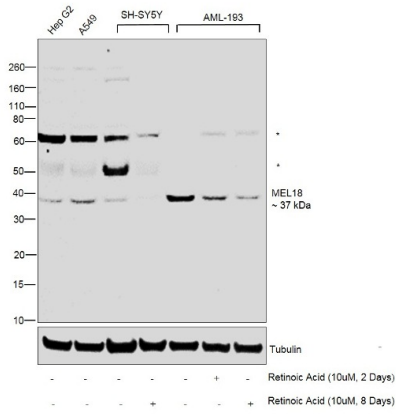
Product Specific Information

PA1-31962 detects Mel18 from human samples.

PA1-31962 has been successfully used in Western blot applications.

The PA1-31962 immunogen is: Synthetic peptide: KMTVNGAPVPPLT (Human).

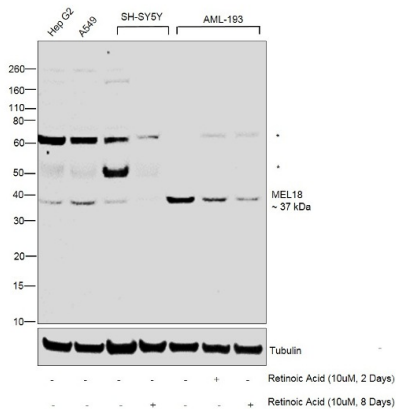
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial. For short-term storage (1-2 weeks), product can be stored at 4°C. For long-term storage, aliquot and store product at -20° C or below, avoiding multiple freeze-thaw cycles.



MEL18 Antibody (PA1-31962)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot analysis using MEL18 Polyclonal antibody (Product # PA1-31962), shows decrease in expression of MEL18 in SH-SY5Y and AML-193 cells upon retinoic acid treatment. . Cell Treatment validation info.

Product Images For MEL18 Polyclonal Antibody



MEL18 Antibody (PA1-31962) in WB

Western blot was performed using Anti-MEL18 Goat Polyclonal Antibody (Product # PA1-31962) and 37 kDa band corresponding to MEL18 was observed. Uncharacterized bands at 50 and 60 kDa were observed across the cell lines tested. Modified whole cell extracts (1%SDS) (30 µg lysate) of Hep G2 (Lane1), A549 (Lane2), SH-SY5Y (Lane 3), SH-SY5Y treated with Retinoic acid (10uM for 8 Days) (Lane 4), AML-193 (Lane 5), AML-193 treated with Retinoic Acid (10uM for 2 days) (Lane 6) and AML-193 treated with Retinoic Acid (10uM for 8 days) (Lane 7) were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0342BOX). 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 (1µg/mL) and detected by chemiluminescence Goat Anti-Goat IgG Secondary Antibody, HRP conjugate (Product # A27014, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



MEL18 Antibody (PA1-31962) in WB

Western blot analysis of Mel18 in human Lung lysate (RIPA buffer, 30 µg total protein per lane) using a Mel18 polyclonal antibody (Product # PA1-31962) at a dilution of 1 µg/mL following incubation for 1 hour and detected using chemiluminescence.

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