

ASCL1 Polyclonal Antibody

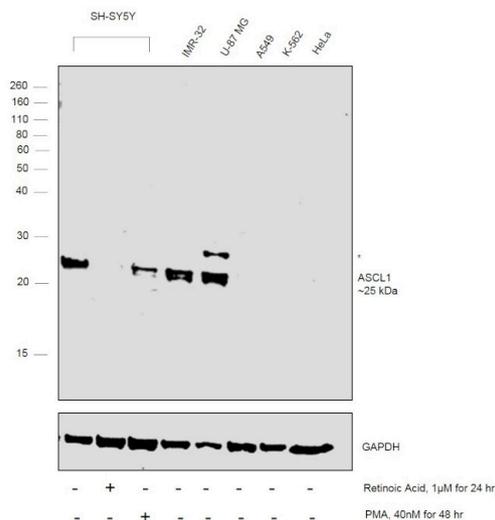
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide, corresponding to amino acids 140-190 of Human ASCL1.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 50% glycerol
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_2803400

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-

Product Images For ASCL1 Polyclonal Antibody

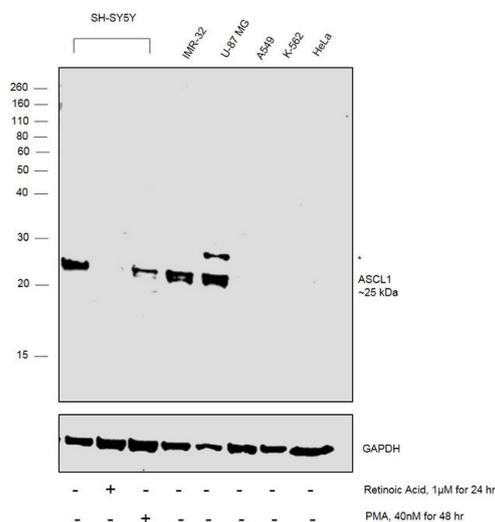
ASCL1 Antibody (PA5-86633)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cells owing to their inherent genetic constitution. Relative expression of ASCL1 was observed in SH-SY5Y, IMR-32 and U-87 MG cell lines and not in A549, K-562 and HeLa cell lines using ASCL1 Polyclonal Antibody (Product # PA5-86633) in western blot. {RE}



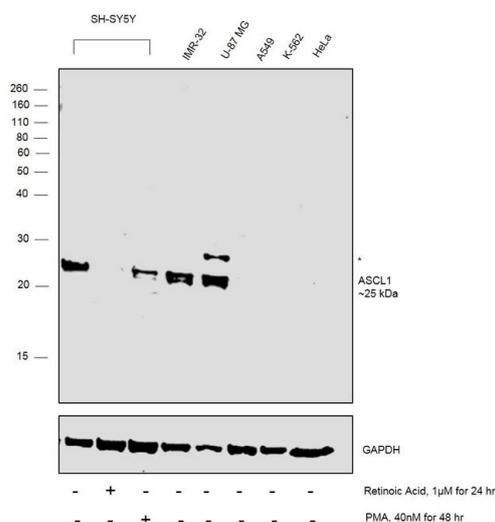
ASCL1 Antibody (PA5-86633) in WB

Western blot was performed using Anti-ASCL1 Polyclonal Antibody, (Product # PA5-86633) and a ~25 kDa band corresponding to ASCL1 was observed across the panel except in A549, K-562 and HeLa which are reported to be low expressors of ASCL1. An uncharacterized band at ~30 kDa was also observed in U-87 MG cells. SH-SY5Y cells treated with Retinoic acid and PMA also showed a decrease in expression of ASCL1 as compared to the untreated SH-SY5Y cells thus confirming specificity. Modified Whole cell extracts (1% SDS) (30 μg lysate) of SH-SY5Y (Lane 1), SH-SY5Y treated with retinoic acid (1 uM for 24hr) (Lane 2), SH-SY5Y treated with PMA (40nM for 48hr) (Lane 3), IMR-32 (Lane 4), U-87 MG (Lane 5), A549 (Lane 6), K-562 (Lane 7) and HeLa (Lane 8) were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris 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 (1:500 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).



ASCL1 Antibody (PA5-86633)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Anti- ASCL1 Polyclonal Antibody (Product # PA5-86633) , shows decrease in expression of ASCL1 in SH-SY5Y cell line upon treatment with Retinoic Acid and PMA. {TM}



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