

NSD1 Polyclonal Antibody

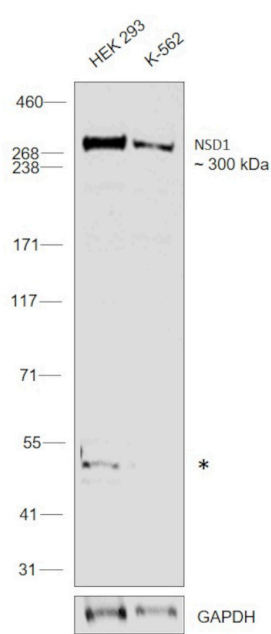
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide of human nuclear receptor binding SET domain protein 1
Form	Liquid
Concentration	1.5 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 40% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2636309

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:25-1:100	-
Immunocytochemistry (ICC/IF)	1:100	-
ChIP assay (ChIP)	2.5 µg/10 ⁶ cells	-

Product Specific Information

The antibody detects endogenous levels of total NSD1 / KMT3B protein.

Product Images For NSD1 Polyclonal Antibody

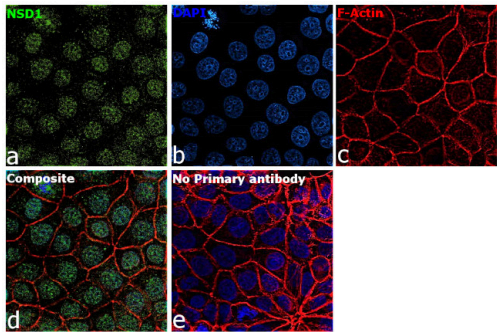


NSD1 Antibody (PA5-50857) in WB

Western blot was performed using NSD1 Polyclonal Antibody (Product # PA5-50857) and a 300 kDa band along with uncharacterized band (*) at 50 kDa corresponding to NSD1 was observed across cell lines tested. Fresh whole cell extracts (40 µg lysate) of HEK-293 (Lane 1), K-562 (Lane 2) were electrophoresed using NuPAGE™ 3-8% Tris-Acetate Protein Gel (Product # EA0378BOX). Resolved proteins was equilibrated with 20% ethanol and then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Atto Ultimate Sensitivity Substrate (Product # A38556).

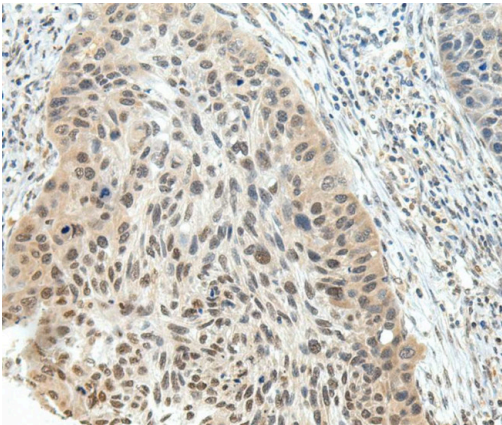
NSD1 Antibody (PA5-50857) in ICC/IF

Immunofluorescence analysis of NSD1 was performed using 70% confluent log phase MCF7 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with NSD1 Polyclonal Antibody (Product # PA5-50857) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), 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, 1:300 dilution). Panel d represents the merged image showing Nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



NSD1 Antibody (PA5-50857) in IHC (P)

Immunohistochemical analysis of NSD1 in paraffin embedded Human esophagus cancer tissue using NSD1 Polyclonal Antibody (Product # PA5-50857) at a 1:25 dilution.



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