

PCAF Monoclonal Antibody (E.107.0)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	E.107.0
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to the amino terminus of human PCAF protein
Form	Liquid
Concentration	358 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10978155

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication
Immunoprecipitation (IP)	1:100	-
ChIP assay (ChIP)	1:25	-

Product Specific Information

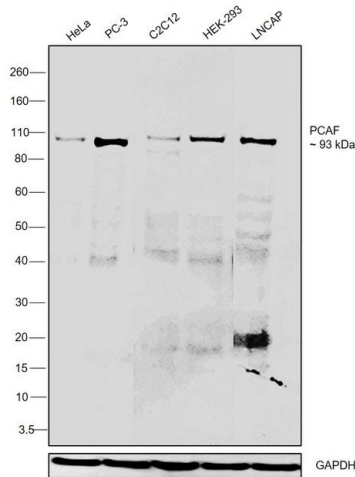
It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with the related GCN5L2 protein.

Product Images For PCAF Monoclonal Antibody (E.107.0)

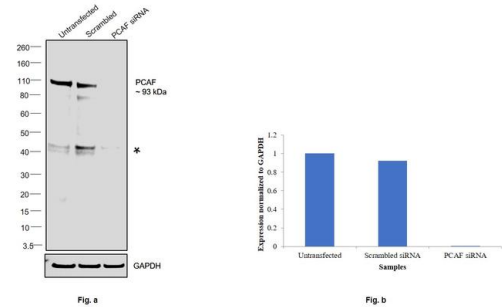
PCAF Antibody (MA5-11186) in WB

Western blot was performed using PCAF Monoclonal Antibody (E.107.0) (Product # MA5-11186) and a 93 kDa band corresponding to PCAF was observed in all the cell lines tested. Whole cell extracts (30 µg lysate) of HeLa (Lane 1), PC-3 (Lane 2), C2C12 (Lane 3), HEK-293 (Lane 4) and (45 µg lysate) of LNCAP (Lane 5) were electrophoresed using 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 (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L), 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).



PCAF Antibody (MA5-11186) in WB

Knockdown of PCAF was performed by transfecting LNCaP cells with PCAF specific siRNAs (Silencer® select Product # s16894). Western blot analysis (Fig. a) was performed using whole cell extracts from the PCAF knockdown cells (lane 3), non-specific scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blot was probed with PCAF Monoclonal Antibody (E.107.0) (Product # MA5-11186, 1:1000 dilution) and Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 4000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to PCAF. An uncharacterized band (*) was observed at ~42 kDa.



1 Reference

Western Blot (1)

BMC cancer	Year 2018
Ras-ERK1/2 signaling contributes to the development of colorectal cancer via regulating H3K9ac.	Species Human
"MA5-11186 was used in Western Blotting to investigate whether Ras-ERK1/2 promoted the development of colorectal cancer via regulating H3K9ac."	
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