

Datasheet for ABIN2778653
anti-PRMT3 antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	PRMT3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT3 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PRMT3
Sequence:	LEFSSDFTLK ITRTSMCTAI AGYFDIYFEK NCHNRVVFST GPQSTKTHWK
Predicted Reactivity:	Cow: 86%, Dog: 85%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PRMT3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PRMT3
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Target Details

Alternative Name:	PRMT3 (PRMT3 Products)
Background:	<p>Type I protein arginine N-methyltransferases (PRMTs), such as PRMT3, catalyze the formation of asymmetric N(G),N(G)-dimethylarginine (ADMA) residues in proteins. Type I protein arginine N-methyltransferases (PRMTs), such as PRMT3, catalyze the formation of asymmetric N(G),N(G)-dimethylarginine (ADMA) residues in proteins (Tang et al., 1998 [PubMed 9642256]). [supplied by OMIM]. Sequence Note: removed 2 bases from the 5' end that did not align to the reference genome assembly. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-2630 BC064831.1 3-2632</p> <p>Alias Symbols: HRMT1L3</p> <p>Protein Interaction Partner: ARFIP1, SAMHD1, XPO7, FAF1, HSPH1, SEC23A, YAP1, RASSF2, HIRIP3, HIST1H4A, USP11, XRCC5, TROVE2, PPARD, PLOD2, OSBP, NARS, LIG1, IDE, GFPT1, EIF4B, CTNNA1, HNRNPA1, VCP, STAT1, HHV8GK18_gp81, UBC, VHL, TP53, FBL, PABPN1, RPS2,</p> <p>Protein Size: 531</p>
Molecular Weight:	60 kDa
Gene ID:	10196
NCBI Accession:	NM_005788 , NP_005779
UniProt:	O60678
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 531 AA
Restrictions:	For Research Use only

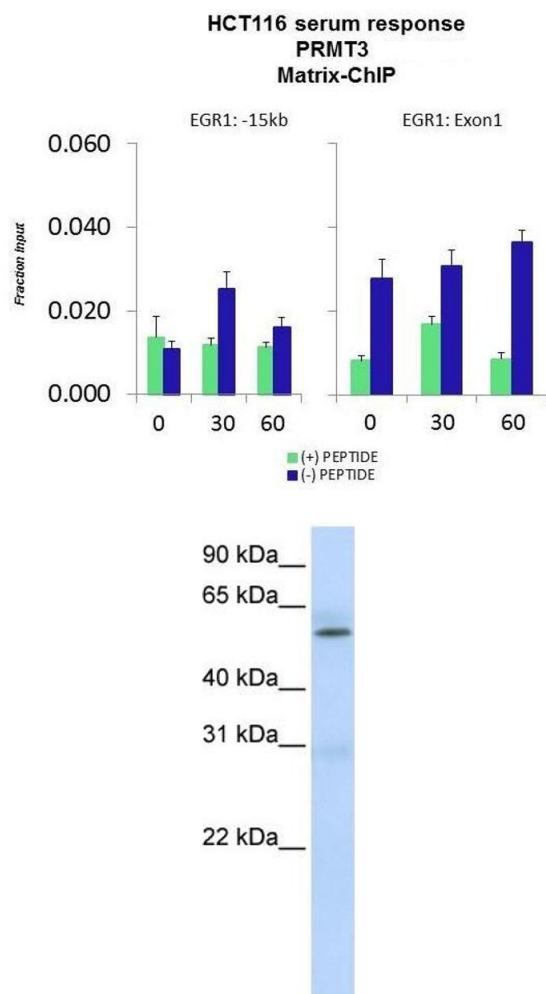
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Chromatin Immunoprecipitation

Image 1. Quiescent human colon carcinoma HCT116 cultures were treated with 10% FBS for three time points (0, 15, 30min) or (0, 30, 60min) were used in Matrix-ChIP and real-time PCR assays at EGR1 gene (Exon1) and 15kb upstream site.

Western Blotting

Image 2. WB Suggested Anti-PRMT3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle