



ANM7 rabbit pAb

Catalog No	YP-Ab-12150
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	PRMT7 KIAA1933
Immunogen	Synthesized peptide derived from human ANM7 AA range: 120-170
Specificity	This antibody detects endogenous levels of ANM7 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	[Myelin basic protein]-arginine N-methyltransferase PRMT7; ANM7_HUMAN; FLJ164; Histone-arginine N-methyltransferase PRMT7; KIAA1933; Myelin basic protein arginine N methyltransferase; OTTHUMP174863; PRMT7; Protein arginine methyltransferase 7; Protein arginine N-methyltransferase 7; ANM7; PRMT7 KIAA1933
Observed Band	
Calculated Molecular Weight	76kD
Cell Pathway	Cytoplasm, cytosol . Nucleus .
Tissue Specificity	
Function	catalytic activity: S-adenosyl-L-methionine + [myelin basic protein]-arginine = S-adenosyl-L-homocysteine + [myelin basic protein]-N(omega)-methyl-arginine., catalytic activity: S-adenosyl-L-methionine + histone-arginine = S-adenosyl-L-homocysteine + histone-N(omega)-methyl-arginine., function: Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3); such methylation being required for the



assembly and biogenesis of snRNP core particles. Specifically mediates the symmetric dimethylation of histone H4 'Arg-3' to form H4R3sme2. Plays a role in gene imprinting by being recruited by CTCFL at the H19 imprinted control region (

Background

Arginine methylation is an apparently irreversible protein modification catalyzed by arginine methyltransferases, such as PMT7, using S-adenosylmethionine (AdoMet) as the methyl donor. Arginine methylation is implicated in signal transduction, RNA transport, and RNA splicing (Miranda et al., 2004 [PubMed 15044439]).[supplied by OMIM, Mar 2008],

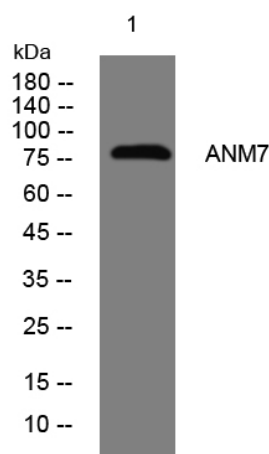
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4° over night