Best Tools for immunology Research

ANM7 rabbit pAb

Catalog No :	YT7516
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	ANM7
Gene Name :	PRMT7 KIAA1933
Protein Name :	ANM7
Human Gene Id :	54496
Human Swiss Prot No :	Q9NVM4
Mouse Gene Id :	214572
Mouse Swiss Prot No :	Q922X9
Rat Gene Id :	361402
Rat Swiss Prot No :	Q5U4E8
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
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

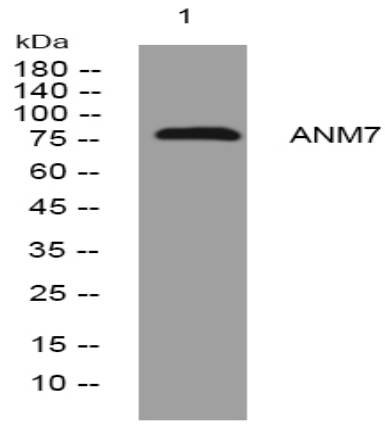
Molecularweight : 76kD

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],

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 (

Subcellular Location : Cytoplasm, cytosol . Nucleus .

Products Images



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