

## FBL rabbit pAb

<b>Catalog No :</b>	YN5902
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	FBL
<b>Gene Name :</b>	FBL FIB1 FLRN
<b>Protein Name :</b>	rRNA 2'-O-methyltransferase fibrillarin (EC 2.1.1.-) (34 kDa nucleolar scleroderma antigen)
<b>Human Gene Id :</b>	2091
<b>Human Swiss Prot No :</b>	P22087
<b>Mouse Gene Id :</b>	100044829
<b>Mouse Swiss Prot No :</b>	P35550
<b>Rat Gene Id :</b>	292747
<b>Rat Swiss Prot No :</b>	P22509
<b>Immunogen :</b>	Synthesized peptide derived from human FBL
<b>Specificity :</b>	This antibody detects endogenous levels of FBL at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	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 :** 35kD

**Function :** S-adenosyl-L-methionine-dependent methyltransferase that has the ability to methylate both RNAs and proteins . Involved in pre-rRNA processing by catalyzing the site-specific 2'-hydroxyl methylation of ribose moieties in pre-ribosomal RNA . Site specificity is provided by a guide RNA that base pairs with the substrate (By similarity). Methylation occurs at a characteristic distance from the sequence involved in base pairing with the guide RNA (By similarity). Probably catalyzes 2'-O-methylation of U6 snRNAs in box C/D RNP complexes . U6 snRNA 2'-O-methylation is required for mRNA splicing fidelity . Also acts as a protein methyltransferase by mediating methylation of 'Gln-105' of histone H2A (H2AQ104me), a modification that impairs binding of the FACT complex and is specifically present at 35S ribosomal DNA locus .

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**Subcellular Location :** Nucleus, nucleolus . Nucleus, nucleoplasm . Fibrillar region of the nucleolus.

## Products Images