

bsm-61421R**[Primary Antibody]****MINA53 Recombinant Rabbit mAb****BioSS**
ANTIBODIES

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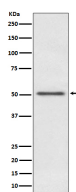
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:1000-2000) ICC/IF (1:50-200)
Clonality: Recombinant		Reactivity: Human, Mouse
GeneID: 84864	SWISS: Q8IUJ8	
Target: MINA53		
Immunogen: A synthesized peptide derived from human Ribosomal oxygenase 2: 416-465.		Predicted MW.: 53
Purification: affinity purified by Protein A		Subcellular Location: Nucleus
Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.		
Background: Oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. Is involved in the demethylation of trimethylated 'Lys-9' on histone H3 (H3K9me3), leading to an increase in ribosomal RNA expression. Also catalyzes the hydroxylation of 60S ribosomal protein L27a on 'His-39'. May play an important role in cell growth and survival. May be involved in ribosome biogenesis, most likely during the assembly process of pre-ribosomal particles.		

— VALIDATION IMAGES —

Western blot analysis of A431 cell lysate. Using MINA53 (bsm-61421R) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.