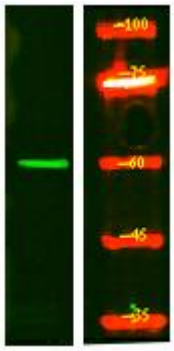
SMG9 Monoclonal Antibody

Catalog No	YP-mAb-05021
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SMG9 C19orf61
Protein Name	Protein SMG9 (Protein smg-9 homolog)
Immunogen	Synthesized peptide derived from human protein . at AA range: 70-150
Specificity	SMG9 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	57kD
Cell Pathway	intracellular,cytosol,
Tissue Specificity	Brain,Epithelium,Muscle,Teratocarcinoma,
Function	function:Component of the SMG1C complex, a mRNA surveillance complex that recognizes and degrades mRNAs containing premature translation termination codons (PTCs) via the nonsense-mediated mRNA decay (NMD). The complex probably acts by associating with ribosomes during tranlation termination on mRNPs. If an exon junction complex (EJC) is located 50-55 or more nucleotides downstream from the termination codon, smg1 phosphorylates upf1/rent1, triggering nonsense-mediated mRNA decay (NMD). In the SMG1C complex, it is required for the efficient association between smg1 and smg8.,PTM:Phosphorylated by SMG1.,similarity:Belongs to the SMG9 family.,subunit:Component of the SMG1C complex, at least composed of SMG1, SMG8 and SMG9. The SMG1C complex is then recruited on premature translation termination codons (PTCs) to form the ribosome:SURF complex, at least composed of ERF1, ERF3 (ERF3A or ERF3B
Background	SMG9, nonsense mediated mRNA decay factor(SMG9) Homo sapiens This gene encodes a regulatory subunit of the SMG1 complex, which plays a critical

	role in nonsense-mediated mRNA decay (NMD). Binding of the encoded protein to the SMG1 complex kinase scaffold protein results in the inhibition of its kinase activity. Mutations in this gene cause a multiple congenital anomaly syndrome in human patients, characterized by brain malformation, congenital heart disease and other features. [provided by RefSeq, Jul 2016],
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 various cells using SMG9 Monoclonal Antibody