DSS1 Mouse mAb

Catalog No	YP-mAb-19571
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	SHFM1 DSS1 SHFDG1
Immunogen	Synthesized peptide derived from human DSS1. AA range:1-70
Specificity	This antibody detects endogenous levels of DSS1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	SHFM1 DSS1 SHFDG1;26S proteasome complex subunit DSS1 (Deleted in split hand/split foot protein 1) (Split hand/foot deleted protein 1) (Split hand/foot malformation type 1 protein)
Observed Band	
Calculated Molecular Weight	8kD
Cell Pathway	Nucleus .
Tissue Specificity	Expressed in limb bud , craniofacial primordia and skin.
Function	Component of the 26S proteasome , a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins , which could impair cellular functions , and by removing proteins whose functions are no longer required. Therefore , the proteasome participates in numerous cellular processes , including cell cycle progression , apoptosis , or DNA damage repair . Component of the TREX-2 complex (transcription and export complex 2) , composed of at least ENY2 , GANP , PCID2 , SEM1 , and either centrin CETN2 or CETN3 . The TREX-2 complex functions in docking export-competent ribonucleoprotein particles (mRNPs) to the nuclear entrance of the nuclear pore complex (nuclear basket) . TREX-2 participates in mRNA export and accurate chromatin positioning in the nucleus by tethering genes to the nuclear periphery. Binds and stabilizes BRCA2 and is thus involved

	in the control of R-loop-associated DNA damage and thus transcription-associated genomic instability. R-loop accumulation increases in SEM1-depleted cells.
Background	
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.

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