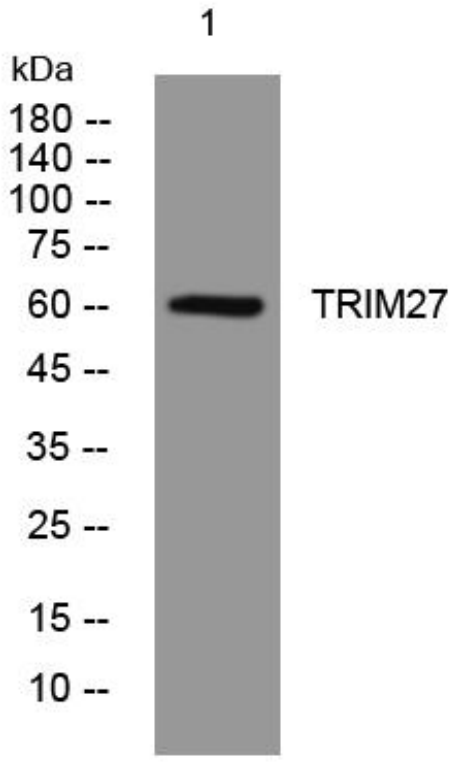
TRIM27 mouse mAb

Catalog No	YP-mAb-07896
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	TRIM27 RFP RNF76
Protein Name	TRIM27
Immunogen	Synthesized peptide derived from human TRIM27 AA range: 34-84
Specificity	This antibody detects endogenous levels of TRIM27 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.10% 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	Zinc finger protein RFP (EC 6.3.2.-) (RING finger protein 76) (Ret finger protein) (Tripartite motif-containing protein 27)
Observed Band	60kD
Cell Pathway	Nucleus . Cytoplasm . Nucleus, PML body . Early endosome . Nuclear or cytoplasmic depending on the cell type (By similarity). Colocalized with PML and EIF3S6 in nuclear bodies. Recruited to retromer-containing endosomes via interaction with MAGEL2 (PubMed:23452853). .
Tissue Specificity	Expressed in testis namely within the seminiferous tubules.
Function	disease:A chromosomal aberration involving TRIM27 is a cause of thyroid papillary carcinoma (PACT) [MIM:188550]. Translocation t(6;10)(p21.3;q11.2) with RET. The translocation generates RFP/RET and delta RFP/RET oncogenes.,domain:The coiled-coil region mediates interaction with EPC1 and CHD4. The B box and coiled-coil domains mediate interaction with PML. The B box and the distal coiled-coil domains mediate homomultimerisation. The B30.2 domain mediates interaction with EIF3S6.,function:Has a transcriptional repressor activity by cooperating with EPC1. Induces apoptosis by activating Jun N-terminal kinase and p38 kinase and also increases caspase-3-like activity independently of mitochondrial events. May function in male germ cell development. Has DNA-binding activity and preferentially bound to double-stranded DNA.,similarity:Belongs to the TRIM/RBCC family.,similarity:Contains 1 B box-

Background	This gene encodes a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein localizes to the nuclear matrix. It interacts with the enhancer of polycomb protein and represses gene transcription. It is also thought to be involved in the differentiation of male germ cells. Fusion of the N-terminus of this protein with the truncated C-terminus of the RET gene product has been shown to result in production of the ret transforming protein. [provided by RefSeq, Jul 2008],
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 TRIM27 mouse mAb