



VPS72 Monoclonal Antibody

Catalog No	YP-mAb-04267
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	VPS72
Immunogen	The antiserum was produced against synthesized peptide derived from human VPS72. AA range:131-180
Specificity	VPS72 Monoclonal Antibody detects endogenous levels of VPS72 protein.
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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CFL1;Protein YL 1;Swc2;TCFL1;Transcription factor like 1;VPS72;YL 1;YL1; Vacuolar protein sorting-associated protein 72 homolog;Protein YL-1; Transcription factor-like 1
Observed Band	41kD
Calculated Molecular Weight	41kD
Cell Pathway	Nucleus .
Tissue Specificity	Fibroblast,Kidney,
Function	function:Could be a DNA-binding transcriptional regulator. May be involved in chromatin modification and remodeling.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the VPS72/YL1 family., subunit:Component of the NuA4 histone acetyltransferase complex which contains the catalytic subunit HTATIP/TIP60 and the subunits EP400, TRRAP/ PAF400, BRD8/SMAP, EPC1, DMAP1/DNMAP1, RUVBL1/TIP49, RUVBL2, ING3, actin, ACTL6A/BAF53A, MORF4L1/MRG15, MORF4L2/MRGX, MRGBP, YEATS4/GAS41 and VPS72/YL1. Component of a NuA4-related complex which contains EP400, TRRAP/PAF400, SRCAP, BRD8/SMAP, EPC1, DMAP1/ DNMAP1, RUVBL1/TIP49, RUVBL2, actin, ACTL6A/BAF53A, VPS72 and



YEATS4/GAS41. Also part of a multiprotein complex which contains SRCAP and which binds to H2AFZ/H2AZ.,

Background

The protein encoded by this gene is a shared subunit of two multi-component complexes, the histone acetyltransferase complex TRRAP/TIP60 as well as the chromatin remodeling SRCAP-containing complex. The TRRAP/TIP60 complex acetylates nucleosomal histones important for transcriptional regulation, double strand DNA break repair and apoptosis. The SRCAP-containing complex catalyzes the exchange of histone H2A with the histone variant Htz1 (H2AFZ) into nucleosomes. This protein may be responsible for binding H2AFZ, which has a role in chromosome segregation. This protein may also have a role in regulating long-term hematopoietic stem cell activity. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Aug 2012],

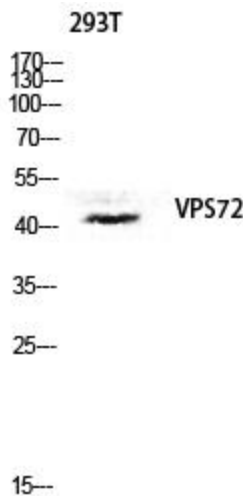
matters needing attention

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 VPS72 Monoclonal Antibody