



TIF1γ/TRIM33 mouse mAb

Catalog No	YP-Ab-03454
Isotype	IgG
Reactivity	Human
Applications	WB
Gene Name	trim33
Immunogen	Purified recombinant human TIF1 gamma / TRIM33 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of TIF1 gamma / TRIM33 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TIF1γ;trim33;8030451N04Rik;AI413936;cb1085;DKFZp586K1123;E3 ubiquitin-protein ligase TRIM33;EC 6.3.2.-;Ectodermin;Ectodermin homolog;FLJ11429;FLJ32925;id:ibd2175;MGC136680;mKIAA1113;OTTHUMP00000013662;OTTHUMP00000013663;Protein Rfg7;PTC7;Ret fused gene 7;RET-fused gene 7 protein;RFG7;Rfg7 protein;TF1G;TIF1-gamma;TIF1G;TIF1GAMMA;TIFGAMMA;Transcription intermediary factor 1-gamma;Transcriptional intermediary factor 1 gamma;TRI33_HUMAN;Tripartite motif containing 33;Tripartite motif containing 33 protein;tripartite motif-containing 33;Tripartite motif-containing protein 33;wu:fc17f10;zgc:136680.
Observed Band	140kD
Calculated Molecular Weight	140kD
Cell Pathway	Nucleus . In discrete nuclear dots resembling nuclear bodies. .
Tissue Specificity	Expressed in stem cells at the bottom of the crypts of the colon (at protein level). Expressed in colon adenomas and adenocarcinomas (at protein level). Expressed in brain, lung, liver, spleen, thymus, prostate, kidney, testis, heart, placenta, pancreas, small intestine, ovary, colon, skeletal muscle and hematopoietic progenitors.



Function

disease: A chromosomal aberration involving TRIM33 is a cause of thyroid papillary carcinoma (PACT) [MIM:188550]. Translocation t(1;10)(p13;q11) with RET. The translocation generates the TRIM33/RET (PTC7) oncogene.,
function: Acts as an E3 ubiquitin-protein ligase. Promotes SMAD4 ubiquitination, nuclear exclusion and degradation via the ubiquitin proteasome pathway. According to PubMed:16751102, does not promote a decrease in the level of endogenous SMAD4. May act as a transcriptional repressor. Inhibits the transcriptional response to TGF-beta/BMP signaling cascade. Plays a role in the control of cell proliferation. Its association with SMAD2 and SMAD3 stimulates erythroid differentiation of hematopoietic stem/progenitor (By similarity). Monoubiquitinates SMAD4 and acts as an inhibitor of SMAD4-dependent TGF-beta/BMP signaling cascade (Monoubiquitination of SMAD4 hampers its ability to for

Background

The protein encoded by this gene is thought to be a transcriptional corepressor. However, molecules that interact with this protein have not yet been identified. The protein is a member of the tripartite motif family. This motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. Three alternatively spliced transcript variants for this gene have been described, however, the full-length nature of one variant has not been determined. [provided by RefSeq, Jul 2008],

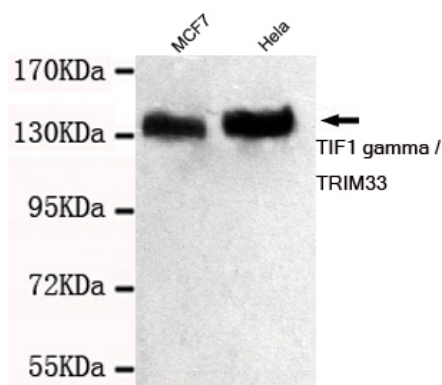
matters needing attention

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 detection of TIF1 gamma / TRIM33 in MCF7 and HeLaNE cell lysates using TIF1 gamma / TRIM33 mouse mAb (1:1000 diluted). Predicted band size: 120KDa. Observed band size: 140KDa.