10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TRIM37 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TRIM37.
Catalog # AT4355a

Product Information

Application	WB, E
Primary Accession	O94972
Other Accession	NM_015294
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2D11
Calculated MW	107906

Additional Information

Gene ID	4591
Other Names	E3 ubiquitin-protein ligase TRIM37, 632-, Mulibrey nanism protein, Tripartite motif-containing protein 37, TRIM37, KIAA0898, MUL, POB1
Target/Specificity	TRIM37 (NP_056109, 865 a.a. ~ 964 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TRIM37 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

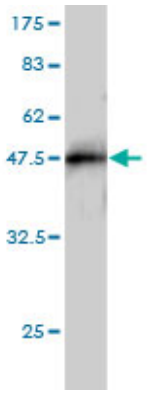
Background

This gene encodes a member of the tripartite motif (TRIM) family, whose members are involved in diverse cellular functions such as developmental patterning and oncogenesis. The TRIM motif includes zinc-binding domains, a RING finger region, a B-box motif and a coiled-coil domain. The RING finger and B-box domains chelate zinc and might be involved in protein-protein and/or protein-nucleic acid interactions. The gene mutations are associated with mulibrey (muscle-liver-brain-eye) nanism, an autosomal recessive disorder that involves several tissues of mesodermal origin. Alternatively spliced transcript variants encoding the same protein have been identified.

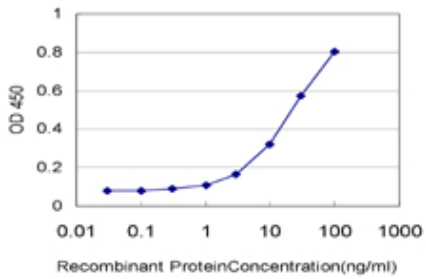
References

Shifted Transversal Design smart-pooling for high coverage interactome mapping. Xin X, et al. Genome Res, 2009 Jul. PMID 19447967.Gynecological tumors in Mulibrey nanism and role for RING finger protein TRIM37 in the pathogenesis of ovarian fibrothecomas. Karlberg S, et al. Mod Pathol, 2009 Apr. PMID 19329943.A novel mutation in TRIM37 is associated with mulibrey nanism in a Turkish boy. Do?anc T, et al. Clin Dysmorphol, 2007 Jul. PMID 17551331.Wilms' tumor and novel TRIM37 mutations in an Australian patient with mulibrey nanism. H?m?l?inen RH, et al. Clin Genet, 2006 Dec. PMID 17100991.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged TRIM37 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.