ARG63496
anti-TRIM37 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TRIM37
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog
Tested Application	FACS, ICC/IF
Specificity	Reported variants represent identical protein (NP_056109.1; NP_001005207.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TRIM37
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human TRIM37. (C-EDLSFNTDENSGR) (NP_056109.1)
Conjugation	Un-conjugated
Alternate Names	TRIM37; tripartite motif-containing 37; MUL; TEF3; KIAA0898; MUL protein; RING-B-box-coiled-coil protein; POB1; tripartite motif-containing 37 protein

Application Instructions

Application table

Application	Dilution
FACS	10 µg/ml
ICC/IF	10 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

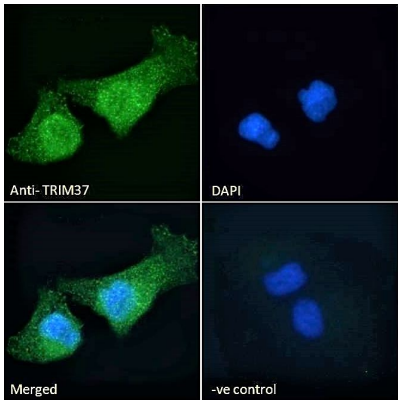
Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

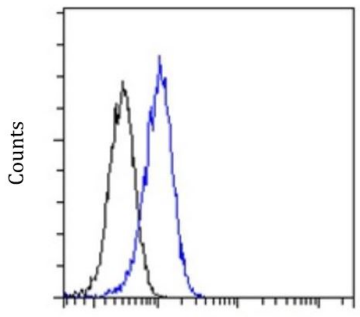
Gene Symbol	TRIM37
Gene Full Name	tripartite motif containing 37
Background	This gene encodes a member of the tripartite motif (TRIM) family, whose members are involved in diverse cellular functions such as developmental patterning and oncogenesis. The TRIM motif includes zinc-binding domains, a RING 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. [provided by RefSeq, Mar 2016]
Function	E3 ubiquitin-protein ligase required to prevent centriole reduplication (PubMed:15885686, PubMed:23769972). Probably acts by ubiquitinating positive regulators of centriole reduplication (PubMed:23769972). Mediates monoubiquitination of 'Lys-119' of histone H2A (H2AK119Ub), a specific tag for epigenetic transcriptional repression: associates with some Polycomb group (PcG) multiprotein PRC2-like complex and mediates repression of target genes (PubMed:25470042). Has anti-HIV activity (PubMed:24317724). [UniProt]
Calculated Mw	108 kDa
PTM	Auto-ubiquitinated. [UniProt]
Cellular Localization	Cytoplasm, perinuclear region. Peroxisome. Note=Found in vesicles of the peroxisome. Aggregates as aggresomes, a perinuclear region where certain misfolded or aggregated proteins are sequestered for proteasomal degradation. [UniProt]

Images



ARG63496 anti-TRIM37 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde-fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63496 anti-TRIM37 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized Goat IgG (green) at 10 µg/ml dilution.



anti-TRIM37

ARG63496 anti-TRIM37 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63496 anti-TRIM37 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa Fluor® 488 labelled secondary antibody. IgG control: Unimmunized Goat IgG (black line) followed by Alexa Fluor® 488 labelled secondary antibody.