

TRIM34/34B (L-13): sc-161245

BACKGROUND

Tripartite motif-containing protein 34 (TRIM34), also known as RING-finger protein 21 (RNF21) or interferon-responsive finger protein 1 (IFP1), is a 488 amino acid member of the TRIM family, also known as the RING-B-box coiled-coil (RBCC) family. Members of the RBCC family have an N-terminal RING finger, followed by one or two zinc-binding domains (B-box domains), a leucine coiled-coil region and a variable C-terminal domain. Three isoforms of TRIM34 exist as a result of alternative splicing events. Isoform 1, the most abundant isoform, is highly expressed in placenta, spleen, colon and peripheral blood leukocytes. Studies have shown that interferon (IFN) stimulation leads to an upregulation of TRIM34. These findings suggest that TRIM34 maybe a downstream effector that mediates IFN activities.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Trim34a/Trim34b (mouse) mapping to 7 E3.

SOURCE

TRIM34/34B (L-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of TRIM34 of mouse origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-161245 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

TRIM34/34B (L-13) is recommended for detection of TRIM34 and TRIM34B of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

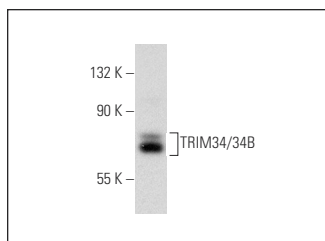
Molecular Weight of TRIM34/34B isoforms 1/2: 57/31 kDa.

Positive Controls: CTLL-2 cell lysate: sc-2242.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz[™] Mounting Medium: sc-24941.

DATA



TRIM34/34B (L-13): sc-161245. Western blot analysis of TRIM34/34B expression in CTLL-2 whole cell lysate.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.