

# Ripply1 (E-13): sc-169184

## BACKGROUND

Ripply1 is a 201 amino acid nuclear protein that participates in somitogenesis and is required for rostrocaudal polarity in somites. Ripply1 also plays a role in terminating the segmentation of the presomitic mesoderm by repressing transcription of various segmental patterning genes. Expressed in anterior presomitic mesoderm and somites during E9.5, and intercostal muscles, diaphragm and tongue at E16.5, Ripply1 contains a WRPW motif which it utilizes to bind TLE proteins. The gene encoding Ripply1 maps to human chromosome X, which consists of about 153 million base pairs and nearly 1,000 genes. Color blindness, hemophilia and Duchenne muscular dystrophy are well known X chromosome-linked conditions which affect males more frequently, as males carry a single X chromosome.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: RIPPLY1 (human) mapping to Xq22.3.

## SOURCE

Ripply1 (E-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Ripply1 of human origin.

## RESEARCH USE

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

## PRODUCT

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

Blocking peptide available for competition studies, sc-169184 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

Ripply1 (E-13) is recommended for detection of Ripply1 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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); non cross-reactive with Ripply2.

Suitable for use as control antibody for Ripply1 siRNA (h): sc-91371, Ripply1 shRNA Plasmid (h): sc-91371-SH and Ripply1 shRNA (h) Lentiviral Particles: sc-91371-V.

Molecular Weight of Ripply1: 22 kDa.

## 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<sup>™</sup> compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) 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<sup>™</sup> Mounting Medium: sc-24941.

## STORAGE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.