



MARCH1 (C-13): sc-104368

BACKGROUND

Ubiquitination is an important mechanism through which three classes of enzymes act in concert to target short-lived or abnormal proteins for destruction. The three classes of enzymes involved in ubiquitination are the ubiquitin-activating enzymes (E1s), the ubiquitin-conjugating enzymes (E2s) and the ubiquitin-protein ligases (E3s). MARCH1 (membrane-associated RING finger (C3HC4) 1), also known as RNF171 (RING finger protein 171), is a 289 amino acid multi-pass membrane protein that localizes to the cytoplasmic side of vesicular membranes and contains one RING-CH-type zinc finger. Expressed in lung, spleen and lymph nodes, MARCH1 functions as an E3 ubiquitin-protein ligase that is thought to mediate the ubiquitination and subsequent degradation of select proteins, including CD71 and B7-2. Multiple isoforms of MARCH1 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MARCH1 (human) mapping to 4q32.3.

SOURCE

MARCH1 (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of MARCH1 of human 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-104368 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

MARCH1 (C-13) is recommended for detection of MARCH1 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 other MARCH family members.

Suitable for use as control antibody for MARCH1 siRNA (h): sc-89278, MARCH1 shRNA Plasmid (h): sc-89278-SH and MARCH1 shRNA (h) Lentiviral Particles: sc-89278-V.

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) 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.

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.