

# MARCH11 (T-20): sc-247944

## 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). MARCH11 (membrane-associated RING finger protein 11) is a 402 amino acid multi-pass membrane protein of the cytoplasmic vesicle that functions as an E3 ubiquitin-protein ligase, which mediates polyubiquitination of CD4. Existing as two alternatively spliced isoforms, MARCH11 contains one RING-CH-type zinc finger and interacts with AP-1 $\mu$ 1, Veli1 and fucose glycoproteins. The gene encoding MARCH11 maps to human chromosome 5p15.1.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: MARCH11 (human) mapping to 5p15.1; March11 (mouse) mapping to 15 B1.

## SOURCE

MARCH11 (T-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of MARCH11 of human origin.

## PRODUCT

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

Blocking peptide available for competition studies, sc-247944 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

MARCH11 (T-20) is recommended for detection of MARCH11 of mouse, rat and 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.

MARCH11 (T-20) is also recommended for detection of MARCH11 in additional species, including canine, bovine and avian.

Suitable for use as control antibody for MARCH11 siRNA (m): sc-149265, MARCH11 shRNA Plasmid (m): sc-149265-SH and MARCH11 shRNA (m) Lentiviral Particles: sc-149265-V.

Molecular Weight of MARCH11 isoforms: 44/18 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™ 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](http://www.scbt.com) or our catalog for detailed protocols and support products.