

# MORN1 (D-15): sc-247994

## BACKGROUND

MORN1 (MORN repeat-containing protein 1) is a 497 amino acid protein that contains 7 MORN repeats and exists as 2 alternatively spliced isoforms. MORN1 is encoded by a gene that maps to human chromosome 1p36.33. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: MORN1 (human) mapping to 1p36.33; Morn1 (mouse) mapping to 4 E2.

## SOURCE

MORN1 (D-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of MORN1 of human origin.

## 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-247994 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

MORN1 (D-15) is recommended for detection of MORN1 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 MORN family members.

MORN1 (D-15) is also recommended for detection of MORN1 in additional species, including bovine.

Suitable for use as control antibody for MORN1 siRNA (h): sc-88284, MORN1 siRNA (m): sc-149505, MORN1 shRNA Plasmid (h): sc-88284-SH, MORN1 shRNA Plasmid (m): sc-149505-SH, MORN1 shRNA (h) Lentiviral Particles: sc-88284-V and MORN1 shRNA (m) Lentiviral Particles: sc-149505-V.

Molecular Weight of MORN1 isoforms: 53/38 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.