

HYPM (N-17): sc-243047

BACKGROUND

Huntington disease is a neurodegenerative genetic disorder that affects muscle coordination and may result in psychiatric and cognitive disorders. Increases in the number of N-terminally located glutamines present in the Huntingtin (Htt) protein results in misfolding and aggregation with other proteins, and may be the cause of Huntington disease. HYPM (Huntingtin yeast partner M), also known as CXorf27 (chromosome X open reading frame 27) or HIP17 (Huntingtin-interacting protein M), is a 117 amino acid protein that may interact with Htt. The gene encoding HYPM 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: CXorf27 (human) mapping to Xp11.4.

SOURCE

HYPM (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of HYPM 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-243047 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

HYPM (N-17) is recommended for detection of HYPM 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).

Suitable for use as control antibody for HYPM siRNA (h): sc-91066, HYPM shRNA Plasmid (h): sc-91066-SH and HYPM shRNA (h) Lentiviral Particles: sc-91066-V.

Molecular Weight of HYPM: 13 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 or our catalog for detailed protocols and support products.