

LYRM2 (Q-15): sc-240642

BACKGROUND

LYRM2 (LYR motif containing 2), also known as FLJ18193, FLJ18317, FLJ21130, DJ12208.2 or MGC104253, is an 88 amino acid protein belonging to the complex I LYR family. LYRM2 is encoded by a gene located on human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

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CHROMOSOMAL LOCATION

Genetic locus: LYRM2 (human) mapping to 6q15; Lyrm2 (mouse) mapping to 4 A5.

STORAGE

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

SOURCE

LYRM2 (Q-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of LYRM2 of mouse 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-240642 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LYRM2 (Q-15) is recommended for detection of LYRM2 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 LYRM family members.

Suitable for use as control antibody for LYRM2 siRNA (h): sc-95558, LYRM2 siRNA (m): sc-149185, LYRM2 shRNA Plasmid (h): sc-95558-SH, LYRM2 shRNA Plasmid (m): sc-149185-SH, LYRM2 shRNA (h) Lentiviral Particles: sc-95558-V and LYRM2 shRNA (m) Lentiviral Particles: sc-149185-V.

Molecular Weight of LYRM2: 10 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.

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.