

FGGY (G-15): sc-161592

BACKGROUND

FGGY, also known as FLJ10986, is a 551 amino acid member of the FGGY kinase family that exists as 4 isoforms which are produced by alternative splicing events. Expressed in lung, kidney, small intestine, liver and fetal brain, FGGY is encoded by a gene that maps to chromosome 1 and, when mutated, is associated with sporadic amyotrophic lateral sclerosis (ALS). ALS is a neurodegenerative disorder that affects motor neurons and results in fatal paralysis, usually within two to five years after initial diagnosis. Chromosome 1, on which the gene encoding FGGY is located, is the largest human chromosome, spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, many of which are associated with genetic diseases, including Hutchinson-Gilford progeria, familial adenomatous polyposis, Stickler syndrome, Gaucher disease and Usher syndrome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FGGY (human) mapping to 1p32.1; Fgy (mouse) mapping to 4 C5.

SOURCE

FGGY (G-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of FGGY 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-161592 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

FGGY (G-15) is recommended for detection of FGGY of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], 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).

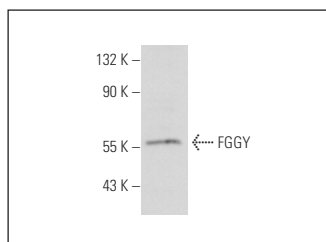
FGGY (G-15) is also recommended for detection of FGGY in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for FGGY siRNA (h): sc-88466, FGGY siRNA (m): sc-145168, FGGY shRNA Plasmid (h): sc-88466-SH, FGGY shRNA Plasmid (m): sc-145168-SH, FGGY shRNA (h) Lentiviral Particles: sc-88466-V and FGGY shRNA (m) Lentiviral Particles: sc-145168-V.

Molecular Weight of FGGY isoforms 1/5: 60/50 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or HEK293 whole cell lysate: sc-45136.

DATA



FGGY (G-15): sc-161592. Western blot analysis of FGGY expression in HEK293 whole cell lysate.

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.

MONOS
Satisfaction
Guaranteed

Try **FGGY (C-9): sc-393376** or **FGGY (J-5): sc-130457**, our highly recommended monoclonal alternatives to FGGY (G-15).