

OTUD6A (Q-19): sc-243701

BACKGROUND

OTUD6A (OTU domain-containing protein 6A), also known as DUBA2, is a 288 amino acid protein that contains one OTU domain. Like other deubiquitinating enzymes, OTUD6A is a protease that specifically cleaves ubiquitin linkages. The gene that encodes OTUD6A consists of approximately 1,689 bases and maps to human chromosome Xq13.1. Chromosome X consists of about 153 million base pairs and nearly 1,000 genes. The combination of an X and Y chromosome leads to normal male development while two copies of X leads to normal female development. There are a number of conditions related to an unusual number and combination of sex chromosomes being inherited, including Turner's syndrome, Klinefelter's syndrome and Triple X syndrome. 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.

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CHROMOSOMAL LOCATION

Genetic locus: OTUD6A (human) mapping to Xq13.1.

SOURCE

OTUD6A (Q-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of OTUD6A 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-243701 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

OTUD6A (Q-19) is recommended for detection of OTUD6A 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 OTUD6A siRNA (h): sc-90953, OTUD6A shRNA Plasmid (h): sc-90953-SH and OTUD6A shRNA (h) Lentiviral Particles: sc-90953-V.

Molecular Weight of OTUD6A: 33 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.