

ASXL3 (S-17): sc-245011

BACKGROUND

Polycomb group (PcG) proteins form multiprotein complexes necessary for sustaining the transcriptionally repressive state of homeotic genes during development, although they are not necessary for repression initiation. ASXL3 (additional sex combs like 3), also known as putative Polycomb group protein ASXL3, is a 2,248 amino acid protein that belongs to the Asx family. Encoded by a gene that maps to human chromosome 18q12.1, ASXL3 contains three LRR (leucine-rich) repeats and one PHD-type zinc finger. ASXL3 exists as three alternatively spliced isoforms and is conserved in chimpanzee, canine, bovine, rat and chicken. Localizing to nucleus, ASXL3 is expressed in pancreatic islet, testis, neuroblastoma and head and neck tumors. ASXL3 is a cancer-associated gene and deletions of ASXL3 occur in myelodysplastic syndromes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ASXL3 (human) mapping to 18q12.1; Asxl3 (mouse) mapping to 18 A2.

SOURCE

ASXL3 (S-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ASXL3 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-245011 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

ASXL3 (S-17) is recommended for detection of ASXL3 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 ASXL1 or ASXL2.

ASXL3 (S-17) is also recommended for detection of ASXL3 in additional species, including equine and porcine.

Suitable for use as control antibody for ASXL3 siRNA (m): sc-141312, ASXL3 shRNA Plasmid (m): sc-141312-SH and ASXL3 shRNA (m) Lentiviral Particles: sc-141312-V.

Molecular Weight of ASXL3 isoforms 1/2/3: 242/210/136 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.