

Med29 (A-14): sc-109959

BACKGROUND

In mammalian cells, transcription is regulated in part by high molecular weight co-activating complexes that mediate signals between transcriptional activators and RNA polymerase II (Pol II). The mediator complex is one such multi-protein structure that functions as a bridge between regulatory proteins and Pol II, thereby regulating Pol II-dependent transcription. Med29 (mediator complex subunit 29), also known as IXL (intersex-like), is a 200 amino acid nuclear protein and component of the mediator complex. Widely expressed in embryo and adult tissue, Med29 is considered a novel amplification target gene in pancreatic cancer and is encoded by a gene that maps to human chromosome 19q13.2. Chromosome 19 consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MED29 (human) mapping to 19q13.2; Med29 (mouse) mapping to 7 A3.

SOURCE

Med29 (A-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Med29 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-109959 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Med29 (A-14) is recommended for detection of Med29 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).

Suitable for use as control antibody for Med29 siRNA (h): sc-97527, Med29 siRNA (m): sc-149354, Med29 shRNA Plasmid (h): sc-97527-SH, Med29 shRNA Plasmid (m): sc-149354-SH, Med29 shRNA (h) Lentiviral Particles: sc-97527-V and Med29 shRNA (m) Lentiviral Particles: sc-149354-V.

Molecular Weight of Med29: 21 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.



Try **Med29 (B-1): sc-393800** or **Med29 (G-6): sc-390993**, our highly recommended monoclonal alternatives to Med29 (A-14).