Med9 (K-15): sc-243450



The Power to Question

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 multiprotein structure that functions as a bridge between regulatory proteins and Pol II, thereby regulating Pol II-dependent transcription. Med9 (mediator complex subunit 9), also known as MED25, is a 146 amino acid nuclear protein and component of the mediator complex. Med9 directly interacts with Med4 and is encoded by a gene that maps to human chromosome 17p11.2. Chromosome 17 comprises over 2.5% of the human genome, encodes over 1,200 genes and is associated with two key tumor suppressor genes, namely, p53 and BRCA1.

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CHROMOSOMAL LOCATION

Genetic locus: MED9 (human) mapping to 17p11.2; Med9 (mouse) mapping to 11 B1.3.

SOURCE

Med9 (K-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Med9 of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-243450 P, ($100 \mu g$ peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Med9 (K-15) is recommended for detection of Med9 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 Med family members.

Suitable for use as control antibody for Med9 siRNA (h): sc-94034, Med9 siRNA (m): sc-149360, Med9 shRNA Plasmid (h): sc-94034-SH, Med9 shRNA Plasmid (m): sc-149360-SH, Med9 shRNA (h) Lentiviral Particles: sc-94034-V and Med9 shRNA (m) Lentiviral Particles: sc-149360-V.

Molecular Weight of Med9: 16 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) 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.

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