# Med19 (S-19): sc-161839



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 multi-protein structure that functions as a bridge between regulatory proteins and Pol II, thereby regulating Pol II-dependent transcription. Med19 (mediator complex subunit 19), also known LCMR1, is a 244 amino acid protein that localizes to nucleus and exists as a component of the mediator complex. Working in tandem with several other proteins, including Med8 and Med25, Med19 serves as a scaffold for the assembly of a functional preinitiation complex with Pol II and general transcription factors, thereby activating the transcription of Pol II-dependent genes.

## **REFERENCES**

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#### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

#### **CHROMOSOMAL LOCATION**

Genetic locus: MED19 (human) mapping to 11q12.1; Med19 (mouse) mapping to 2  $\,\mathrm{D}$ .

#### **SOURCE**

Med19 (S-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Med19 of human origin.

#### **PRODUCT**

Each vial contains 200  $\mu g$  IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-161839 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### **APPLICATIONS**

Med19 (S-19) is recommended for detection of Med19 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.

Med19 (S-19) is also recommended for detection of Med19 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Med19 siRNA (h): sc-96437, Med19 siRNA (m): sc-149350, Med19 shRNA Plasmid (h): sc-96437-SH, Med19 shRNA Plasmid (m): sc-149350-SH, Med19 shRNA (h) Lentiviral Particles: sc-96437-V and Med19 shRNA (m) Lentiviral Particles: sc-149350-V.

Molecular Weight of Med19: 26 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.

# **PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.