INTS12 (K-14): sc-164685



The Power to Question

BACKGROUND

RNA polymerase II (Pol II) is an enzyme that is composed of 12 subunits and is responsible for the transcription of protein-coding genes. Transcription initiation requires Pol II-mediated recruitment of transcription machinery to a target promoter, thereby allowing transcription to begin. The integrator complex is a multi-protein complex that associates with the C-terminal domain of Pol II and is involved in small nuclear RNA (snRNA) transcription and 3'-end processing. INTS12 (Integrator complex subunit 12), also known as PHF22 (PHD finger protein 22), is a 462 amino acid protein that contains one PHD-type zinc finger and is a component of the integrator complex. Localized to the nucleus, INTS12 plays a role in the processing of select snRNAs and, via its PHD domain, mediates snRNA transcriptional regulation events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: INTS12 (human) mapping to 4q24; Ints12 (mouse) mapping to 3 G3.

SOURCE

INTS12 (K-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of INTS12 of human origin.

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.

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-164685 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

INTS12 (K-14) is recommended for detection of INTS12 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 INTS family members.

INTS12 (K-14) is also recommended for detection of INTS12 in additional species, including bovine.

Suitable for use as control antibody for INTS12 siRNA (h): sc-89129, INTS12 siRNA (m): sc-146251, INTS12 shRNA Plasmid (h): sc-89129-SH, INTS12 shRNA Plasmid (m): sc-146251-SH, INTS12 shRNA (h) Lentiviral Particles: sc-89129-V and INTS12 shRNA (m) Lentiviral Particles: sc-146251-V.

Molecular Weight of INTS12: 49 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

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.

RESEARCH USE

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

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