

OTK18 (S-13): sc-131829

BACKGROUND

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Krüppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. Zinc finger protein 175 (ZNF175), also known as OTK18, is a 711 amino acid member of the Krüppel C₂H₂-type zinc-finger protein family. Localized both to the nucleus and cytosol, ZNF175 contains 15 C₂H₂-type zinc fingers and one KRAB domain. Induced by HIV-1 infection, ZNF175 is thought to be an HIV-1-inducible transcriptional suppressor.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF175 (human) mapping to 19q13.41.

SOURCE

OTK18 (S-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of OTK18 of human origin.

RESEARCH USE

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

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-131829 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

OTK18 (S-13) is recommended for detection of OTK18 of 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 ZNF family members .

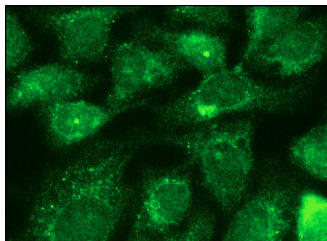
Suitable for use as control antibody for OTK18 siRNA (h): sc-97677, OTK18 shRNA Plasmid (h): sc-97677-SH and OTK18 shRNA (h) Lentiviral Particles: sc-97677-V.

Molecular Weight of OTK18: 82 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.

DATA



ZNF175 (S-13): sc-131829. Immunofluorescence staining of methanol-fixed HeLa cells showing nuclear and cytoplasmic localization.

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.