

ZNF688 (J-25): sc-102263

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 688 (ZNF688) is a 276 amino acid member of the Krüppel C₂H₂-type zinc finger protein family. Localized to the nucleus, ZNF688 contains two C₂H₂-type zinc fingers and one KRAB domain through which it is thought to be involved in DNA-binding and transcriptional regulation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF688 (human) mapping to 16p11.2.

SOURCE

ZNF688 (J-25) is a purified rabbit polyclonal antibody raised against ZNF688 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

ZNF688 (J-25) is recommended for detection of ZNF688 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ZNF688 siRNA (h): sc-93547, ZNF688 shRNA Plasmid (h): sc-93547-SH and ZNF688 shRNA (h) Lentiviral Particles: sc-93547-V.

Molecular Weight (predicted) of ZNF688: 31 kDa.

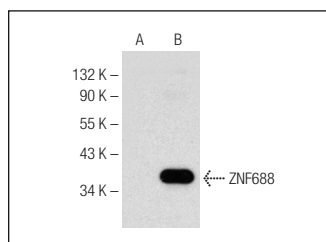
Molecular Weight (observed) of ZNF688: 31-38 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204 or ZNF688 (h): 293T Lysate: sc-369835.

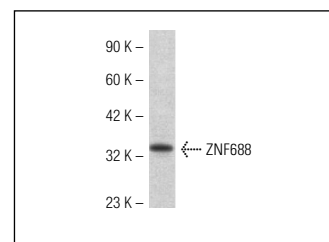
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



ZNF688 (J-25): sc-102263. Western blot analysis of ZNF688 expression in non-transfected: sc-117752 (A) and human ZNF688 transfected: sc-369835 (B) 293T whole cell lysates.



ZNF688 (J-25): sc-102263. Western blot analysis of ZNF688 expression in Jurkat whole cell lysate.

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.