

ZFOC1 (S-25): sc-134160

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. ZFOC1, also known as ZNF644 (zinc finger protein 644), ZEP2 (zinc finger motif enhancer-binding protein 2) or BM-005, is a 1,327 amino acid nuclear protein belonging to the Krüppel C₂H₂-type zinc-finger protein family. Existing as three alternatively spliced isoforms, ZFOC is involved in transcriptional regulation and contains seven C₂H₂-type zinc fingers. The gene encoding ZFOC1 maps to human chromosome 12q24.31.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF664 (human) mapping to 12q24.31; Zfp664 (mouse) mapping to 5 F.

SOURCE

ZFOC1 (S-25) is an affinity purified rabbit polyclonal antibody raised against synthetic ZFOC1 peptide of human origin.

PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

RESEARCH USE

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

APPLICATIONS

ZFOC1 (S-25) is recommended for detection of ZFOC1 of mouse and 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 ZFOC1 siRNA (h): sc-95767, ZFOC1 siRNA (m): sc-155518, ZFOC1 shRNA Plasmid (h): sc-95767-SH, ZFOC1 shRNA Plasmid (m): sc-155518-SH, ZFOC1 shRNA (h) Lentiviral Particles: sc-95767-V and ZFOC1 shRNA (m) Lentiviral Particles: sc-155518-V.

Molecular Weight of ZFOC1 isoforms: 150/140/12 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

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).

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.