

ZNF224 (2C12): sc-293394

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 224 (ZNF224), also known as BMZF2, KOX22, ZNF233, ZNF255 or ZNF27, is a 707 amino acid member of the Krüppel C₂H₂-type zinc-finger protein family. Localized to the nucleus, ZNF224 contains 18 C₂H₂-type zinc-fingers and one KRAB domain through which it is thought to be involved in DNA-binding and transcriptional regulation. Expressed mainly in fetal tissues, ZNF224 interacts with and interferes with the transactivation of Wilms tumor 1 (WT1).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZNF224 (human) mapping to 19q13.31.

SOURCE

ZNF224 (2C12) is a mouse monoclonal antibody raised against amino acids 95-190 of ZNF224 of human origin.

PRODUCT

Each vial contains 100 µg IgG_{2a} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

ZNF224 (2C12) is recommended for detection of ZNF224 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 ZNF224 siRNA (h): sc-97807, ZNF224 shRNA Plasmid (h): sc-97807-SH and ZNF224 shRNA (h) Lentiviral Particles: sc-97807-V.

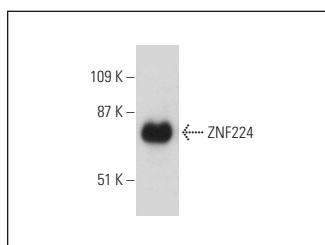
Molecular Weight of ZNF224: 82 kDa.

Positive Controls: human uterus extract: sc-363784.

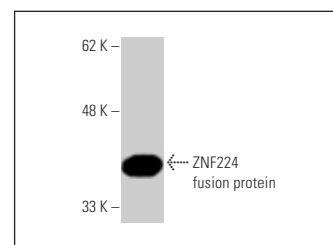
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 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



ZNF224 (2C12): sc-293394. Western blot analysis of ZNF224 expression in human uterus tissue extract.



ZNF224 (2C12): sc-293394. Western blot analysis of human recombinant ZNF224 fusion protein.

SELECT PRODUCT CITATIONS

- Alberto-Aguilar, D.R., et al. 2019. Ascites from ovarian cancer induces novel fucosylated proteins. *Cancer Microenviron.* 12: 181-195.

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.