# ZNF555 (W-12): sc-132568



The Power to Question

## **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 555 (ZNF555) is a 628 amino acid member of the Krüppel  $C_2H_2$ -type zinc finger protein family. Localized to the nucleus, ZNF555 contains 15  $C_2H_2$ -type zinc fingers and one KRAB domain through which it is thought to be involved in DNA-binding and transcriptional regulation. Three named isoforms of ZNF555 exist as a result of alternative splicing events.

## **REFERENCES**

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## CHROMOSOMAL LOCATION

Genetic locus: ZNF555 (human) mapping to 19p13.3.

#### **SOURCE**

ZNF555 (W-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ZNF555 of human origin.

### **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-132568 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### **APPLICATIONS**

ZNF555 (W-12) is recommended for detection of ZNF555 isoforms 1-3 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], 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 ZNF555 siRNA (h): sc-97177, ZNF555 shRNA Plasmid (h): sc-97177-SH and ZNF555 shRNA (h) Lentiviral Particles: sc-97177-V.

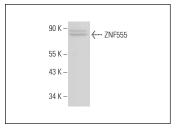
Molecular Weight of ZNF555: 73 kDa.

Positive Controls: Jurkat nuclear extract: sc-2132 or Hep G2 cell lysate: sc-2227.

## **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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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**



ZNF555 (W-12): sc-132568. Western blot analysis of ZNF555 expression in Jurkat nuclear extract.

## **STORAGE**

Store at  $4^{\circ}$  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.

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