

# MASK-BP3 (V-13): sc-161110

## BACKGROUND

Ankyrin (ANK) repeat-containing proteins are associated with a wide range of biological functions and participate in several processes, such as cell differentiation and transcriptional regulation. MASK-BP3 (MASK-4E binding protein 3), also known as multiple ankyrin repeats single KH domain protein isoform 2, is a 2,617 amino acid protein with one KH domain. The gene encoding MASK-BP3 is located on human chromosome 5, which contains 181 million base pairs and comprises nearly 6% of the human genome. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome, while deletion of the q arm or of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: ANKHD1-EIF4EBP3 (human) mapping to 5q31.3.

## SOURCE

MASK-BP3 (V-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of MASK-BP3 of human origin.

## 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-161110 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## APPLICATIONS

MASK-BP3 (V-13) is recommended for detection of MASK-BP3 of human and rat 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).

Suitable for use as control antibody for MASK-BP3 siRNA (h): sc-91894, MASK-BP3 shRNA Plasmid (h): sc-91894-SH and MASK-BP3 shRNA (h) Lentiviral Particles: sc-91894-V.

Molecular Weight of MASK-BP3: 270 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.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.