

# MOBKL2C (E-17): sc-247992

## BACKGROUND

MOBKL2C (MOB1, Mps one binder kinase activator-like 2C), also known as MOB1E or MOB3C, is a 216 amino acid protein that belongs to the MOB1/phocein family and is thought to have a role in kinase activity. The gene encoding MOBKL2C maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: MOB3C (human) mapping to 1p33; Mob3c (mouse) mapping to 4 D1.

## SOURCE

MOBKL2C (E-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of MOBKL2C 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-247992 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

MOBKL2C (E-17) is recommended for detection of MOBKL2C of mouse, rat and human 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); non cross-reactive with MOBKL2A or MOBKL2B.

MOBKL2C (E-17) is also recommended for detection of MOBKL2C in additional species, including canine and bovine.

Suitable for use as control antibody for MOBKL2C siRNA (h): sc-78580, MOBKL2C siRNA (m): sc-149493, MOBKL2C shRNA Plasmid (h): sc-78580-SH, MOBKL2C shRNA Plasmid (m): sc-149493-SH, MOBKL2C shRNA (h) Lentiviral Particles: sc-78580-V and MOBKL2C shRNA (m) Lentiviral Particles: sc-149493-V.

Molecular Weight of MOBKL2C: 26 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.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.