

# KIAA1430 (E-16): sc-243189

## BACKGROUND

KIAA1430 is a 532 amino acid protein that is a member of the UPF0501 family and contains a single coiled coil domain. KIAA1430 is post-translationally phosphorylated at threonine 133 as well as serine 138 and 139. Alternatively spliced into two isoforms, the gene encoding KIAA1430 maps to human chromosome 4. Chromosome 4 represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: KIAA1430 (human) mapping to 4q35.1; 4933411K20Rik (mouse) mapping to 8 B1.1.

## SOURCE

KIAA1430 (E-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of KIAA1430 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-243189 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

KIAA1430 (E-16) is recommended for detection of KIAA1430 of human origin, 4933411K20Rik of mouse origin and the corresponding rat homolog 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).

KIAA1430 (E-16) is also recommended for detection of KIAA1430 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for KIAA1430 siRNA (h): sc-89328, 4933411K20Rik siRNA (m): sc-140290, KIAA1430 shRNA Plasmid (h): sc-89328-SH, 4933411K20Rik shRNA Plasmid (m): sc-140290-SH, KIAA1430 shRNA (h) Lentiviral Particles: sc-89328-V and 4933411K20Rik shRNA (m) Lentiviral Particles: sc-140290-V.

Molecular Weight of KIAA1430 isoforms: 59/51 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.