

# KIAA0895 (A-14): sc-164769

## BACKGROUND

KIAA0895 is a 520 amino acid protein that exists as 4 alternatively spliced isoforms. The gene encoding KIAA0895 maps to human chromosome 7, which houses over 1,000 genes and comprises nearly 5% of the human genome. Chromosome 7 has been linked to osteogenesis imperfecta, Pendred syndrome, lissencephaly, citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfom and friendliness with strangers and an elfin appearance. Deletions of portions of the q arm of chromosome 7 are also seen in a number of myeloid disorders including cases of acute myelogenous leukemia and myelodysplasia.

## REFERENCES

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6. Reiner, O., Sapoznik, S. and Sapir, T. 2006. Lissencephaly 1 linking to multiple diseases: mental retardation, neurodegeneration, schizophrenia, male sterility, and more. *Neuromolecular Med.* 8: 547-565.
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## CHROMOSOMAL LOCATION

Genetic locus: KIAA0895 (human) mapping to 7p14.2; 9530077C05Rik (mouse) mapping to 9 A3.

## SOURCE

KIAA0895 (A-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of KIAA0895 of human origin.

## STORAGE

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

## PRODUCT

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

Blocking peptide available for competition studies, sc-164769 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

KIAA0895 (A-14) is recommended for detection of KIAA0895 of human origin, 9530077C05Rik of mouse origin and the corresponding homolog of 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); non cross-reactive with other KIAA family members.

KIAA0895 (A-14) is also recommended for detection of KIAA0895 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for KIAA0895 siRNA (h): sc-89796, 9530077C05Rik siRNA (m): sc-140567, KIAA0895 shRNA Plasmid (h): sc-89796-SH, 9530077C05Rik shRNA Plasmid (m): sc-140567-SH, KIAA0895 shRNA (h) Lentiviral Particles: sc-89796-V and 9530077C05Rik shRNA (m) Lentiviral Particles: sc-140567-V.

Molecular Weight of KIAA0895 isoforms: 61/58/54/34 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.