## SANTA CRUZ BIOTECHNOLOGY, INC.

# ARRDC3 (C-14): sc-135441



BACKGROUND

ARRDC3 (arrestin domain containing 3), also known as TLIMP, is a 414 amino acid protein that belongs to the arrestin family and is encoded by a gene which maps to human chromosome 5. With 181 million base pairs encoding around 1,000 genes, chromosome 5 comprises over 6% of human genomic DNA. Chromosome 5 is associated with Cockayne syndrome through the ERCC8 gene, as well as with familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5-associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

#### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: ARRDC3 (human) mapping to 5q14.3; Arrdc3 (mouse) mapping to 13 C3.

#### SOURCE

ARRDC3 (C-14) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the C-terminus of ARRDC3 of human origin.

#### PRODUCT

Each vial contains 100  $\mu g$  IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-135441 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### **APPLICATIONS**

ARRDC3 (C-14) is recommended for detection of ARRDC3 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other ARRDC family members.

ARRDC3 (C-14) is also recommended for detection of ARRDC3 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ARRDC3 siRNA (h): sc-92033, ARRDC3 siRNA (m): sc-141274, ARRDC3 shRNA Plasmid (h): sc-92033-SH, ARRDC3 shRNA Plasmid (m): sc-141274-SH, ARRDC3 shRNA (h) Lentiviral Particles: sc-92033-V and ARRDC3 shRNA (m) Lentiviral Particles: sc-141274-V.

Molecular Weight of ARRDC3: 46 kDa.

#### **RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker<sup>™</sup> compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker<sup>™</sup> Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluo-rescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz<sup>™</sup> 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 or our catalog for detailed protocols and support products.