# ASZ1 (L-20): sc-79854



The Power to Question

# **BACKGROUND**

ASZ1 (ankyrin repeat, SAM and basic leucine zipper domain-containing protein 1), also known as ANKL1, ALP1 (ankyrin-like protein 1), GASZ (germ cell-specific ankyrin, SAM and basic leucine zipper domain-containing protein) or Orf3, is a 475 amino acid protein that is suggested to function as a signal transducer during germ cell maturation. Localized to the cytoplasm of pachytene spermatocytes, early spermatids and oocytes, ASZ1 is primarily found in adult testis and ovary where it mediates protein-protein interactions. ASZ1 contains six ANK repeats, one SAM (sterile  $\alpha$  motif) domain and is encoded by a gene located on human chromosome 7q31.2, a region that may have an important role in the development certain types of human cancer.

# **REFERENCES**

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# CHROMOSOMAL LOCATION

Genetic locus: ASZ1 (human) mapping to 7q31.2; Asz1 (mouse) mapping to 6 A2.

# **SOURCE**

ASZ1 (L-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of ASZ1 of human origin.

# **PRODUCT**

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

Blocking peptide available for competition studies, sc-79854 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### **APPLICATIONS**

ASZ1 (L-20) is recommended for detection of ASZ1 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).

ASZ1 (L-20) is also recommended for detection of ASZ1 in additional species, including equine, canine and porcine.

Suitable for use as control antibody for ASZ1 siRNA (h): sc-72573, ASZ1 siRNA (m): sc-72574, ASZ1 shRNA Plasmid (h): sc-72573-SH, ASZ1 shRNA Plasmid (m): sc-72574-SH, ASZ1 shRNA (h) Lentiviral Particles: sc-72573-V and ASZ1 shRNA (m) Lentiviral Particles: sc-72574-V.

Molecular Weight of ASZ1: 53 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 or our catalog for detailed protocols and support products.

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