## SANTA CRUZ BIOTECHNOLOGY, INC.

# Lunapark (F-14): sc-168488



## BACKGROUND

Lunapark, also known as ulnaless, LNP, UI or KIAA1715, is a 428 amino acid multi-pass membrane protein that exists as 3 alternatively spliced isoforms. Expressed at high levels in fetal liver and fetal brain, as well as in adult brain and skeletal muscle, Lunapark is thought to be involved in the development of the central nervous system and may also regulate proper limb maturation. The gene encoding Lunapark maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome. Harlequin icthyosis, a rare and morbid skin deformity, is associated with mutations in the chromosome 2-localized ABCA12 gene, while the lipid metabolic disorder sitosterolemia is associated with defects in the ABCG5 and ABCG8 genes, which also map to chromosome 2.

#### REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: KIAA1715 (human) mapping to 2q31.1; Lnp (mouse) mapping to 2 C3.

#### SOURCE

Lunapark (F-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within a cytoplasmic domain of Lunapark of human origin.

## STORAGE

Store at 4° C, \*\*D0 NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## 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-168488 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## **APPLICATIONS**

Lunapark (F-14) is recommended for detection of Lunapark 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).

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

Suitable for use as control antibody for Lunapark siRNA (h): sc-94308, Lunapark siRNA (m): sc-149143, Lunapark shRNA Plasmid (h): sc-94308-SH, Lunapark shRNA Plasmid (m): sc-149143-SH, Lunapark shRNA (h) Lentiviral Particles: sc-94308-V and Lunapark shRNA (m) Lentiviral Particles: sc-149143-V.

Molecular Weight of Lunapark: 48 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) Immunofluo-rescence: 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 or our catalog for detailed protocols and support products.