**BACKGROUND**

The Lipocalin family is composed of structurally conserved hydrophobic ligand-binding proteins which are represented in all major taxonomic groups from prokaryotes to primates. Members of the Lipocalin family are characterized by several common molecular-recognition properties: the ability to bind a range of small hydrophobic molecules, binding to specific cell-surface receptors and the formation of complexes with soluble macromolecules. Lipocalin-13 (Lcn13), is a 176 amino acid secreted protein that is expressed specifically in epididymis where it acts as a retinoid carrier protein and is thought to be involved in male fertility. A member of the Lipocalin family and calycin superfamily, Lipocalin-13 is encoded by a gene that maps to murine chromosome 2 A3.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: Lcn13 (mouse) mapping to 2 A3.

**SOURCE**

Lipocalin-13 (G-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Lipocalin-13 of mouse 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-164876 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**STORAGE**

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

**APPLICATIONS**

Lipocalin-13 (G-15) is recommended for detection of Lipocalin-13 of mouse and 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 Lipocalin family members.

Suitable for use as control antibody for Lipocalin-13 siRNA (m): sc-146747, Lipocalin-13 shRNA Plasmid (m): sc-146747-SH and Lipocalin-13 shRNA (m) Lentiviral Particles: sc-146747-V.

Molecular Weight of Lipocalin-13: 20 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 or our catalog for detailed protocols and support products.