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## LEPROTL1 Rabbit pAb

Catalog Number: bs-18234R

Target Protein: LEPROTL1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Dog, GuineaPig, Horse)

Predicted MW: 14 kDa

Entrez Gene: 23484

Swiss Prot: O95214

Source: KLH conjugated synthetic peptide derived from human LEPROTL1: 81-131/131.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Mutation of Ob (Obesity factor), also known as leptin precursor, results in profound obesity and type II diabetes as part of a syndrome that resembles morbid obesity in humans. The Ob gene product may function as a component of a signaling pathway in adipose tissue that functions to regulate body fat depot size. The leptin receptor, designated Ob-R, has been shown to be a single membrane-spanning receptor that most resembles the gp130 signal transducing component of the IL-6, G-CSF and LIF receptor. LEPROTL1 (Leptin receptor overlapping transcript-like 1) is a 131 amino acid multi-pass membrane protein that is highly homologous to the leptin receptor gene-related protein, Ob-R. LEPROTL1 is widely expressed and contains a JAK binding site. The LEPROTL1 gene is located on chromosome 8, which is made up of nearly 146 million bases and encodes about 800 genes.