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OSBPL5 (C) Antibody, Rabbit Polyclonal

Cat#: R3671-2

Quantity: 100 ul

Predicted | Observed M.W.: 99 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9H0X9

Background:

Oxysterol-binding protein-related protein 5 (OSBPL5) is a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors that play a key role in the maintenance of cholesterol balance in the body. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain. OSBPL5 is involved in lipid countertransport between the endoplasmic reticulum and the plasma membrane: specifically exchanges phosphatidylserine with phosphatidylinositol 4-phosphate (PI4P), delivering phosphatidylserine to the plasma membrane in exchange for PI4P, which is degraded by the SAC1/SACM1L phosphatase in the endoplasmic reticulum. The OSBPL5 gene has been shown to be imprinted, with preferential expression from the maternal allele only in placenta.

Other Names:

Oxysterol-binding protein-related protein 5, ORP-5, OSBP-related protein 5, Oxysterol-binding protein homolog 1, KIAA1534, OBPH1, ORP5

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human OSBPL5. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

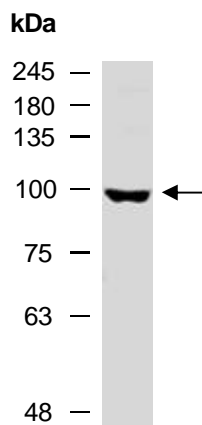


Fig 1. Western blot analysis of total protein extracts from human HeLa, using anti-OSBPL5 (C) (R3671-2) at RT for 2 h.