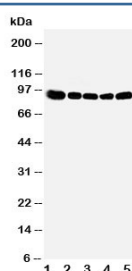


OSBP Antibody (R31051)

Catalog No.	Formulation	Size
R31051	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P22059
Applications	Western Blot : 0.5-1ug/ml
Limitations	This OSBP antibody is available for research use only.



Western blot testing of OSBP antibody and Lane 1: rat kidney; 2: (r) spleen; 3: (r) lung; 4: human HeLa; 5: (h) A549 cell lysate

Description

Oxysterol-Binding Protein is a protein that in humans is encoded by the OSBP gene. Im et al.(2005) reported the structure of the full-length yeast oxysterol-binding-protein Osh4, a member of the OSBP-related protein (ORP) family, at 1.5- to 1.9-angstrom resolution in complexes with ergosterol, cholesterol, and 7-, 20- and 25-hydroxy cholesterol. Moreira et al.(2001) refined the localization of the OSBP1 gene to chromosome 11q12.1 by radiation hybrid analysis. Wang et al.(2005) found that OSBP functions as a cholesterol-binding scaffolding protein coordinating the activity of 2 phosphatases to control the extracellular signal-regulated kinase (ERK) signaling pathway. Cytosolic OSBP formed an approximately 440-kD oligomer with a member of the PTPBS family of tyrosine phosphatases, the serine/threonine phosphatase PP2A, and cholesterol.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the OSBP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human Oxysterol-Binding Protein (WQKSLQYERDQRIRL) was used as the immunogen for this OSBP antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the OSBP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.