

# VPS4B Monoclonal antibody

Catalog Number: 68443-1-Ig

## Basic Information

**Catalog Number:**

68443-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG11610

**GenBank Accession Number:**

BC039574

**GeneID (NCBI):**

9525

**UNIPROT ID:**

O75351

**Full Name:**vacuolar protein sorting 4 homolog B  
(S. cerevisiae)**Calculated MW:**

444 aa, 49 kDa

**Observed MW:**

~50 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

2H3G7

**Recommended Dilutions:**

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IF/ICC 1:400-1:1600

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Species Specificity:**

Human, mouse, rat

**Positive Controls:****WB** : LNCaP cells, NIH/3T3 cells, HeLa cells, HEK-293  
cells, Jurkat cells, K-562 cells, HSC-T6 cells**IP** : HeLa cells,**IF/ICC** : HeLa cells,

## Background Information

VPS4 (Vacuolar protein sorting-associated protein 4) is involved in intracellular protein trafficking, presumably at a late endosomal protein transport step. VPS4B is a ubiquitously expressed type I AAA+ (ATPases Associated with diverse cellular Activities) ATPase. It cooperates with its highly homologous paralog VPS4A (encoded by the VPS4A gene) to disassemble and release the Endosomal Sorting Complex Required for Transport (ESCRT) machinery. 68443-1-Ig specifically recognizes VPS4B. (PMID:31930723)

## Storage

**Storage:**

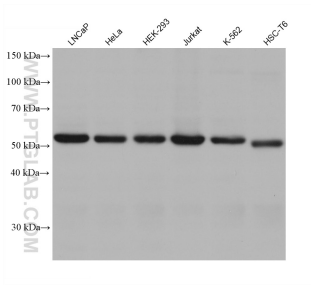
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

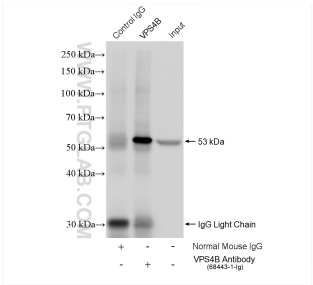
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

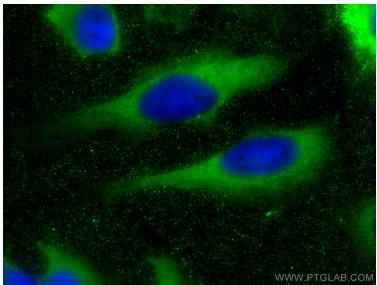
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68443-1-Ig (VPS4B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-VPS4B (IP:68443-1-Ig, 4ug; Detection:68443-1-Ig 1:4000) with HeLa cells lysate 1560 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using VPS4B antibody (68443-1-Ig, Clone: 2H3G7 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).