

Product Datasheet

VPS35 Antibody: Biotin (orb612763)

Description	Mouse monoclonal antibody against VPS35 conjugated to Biotin
Species/Host	Mouse
Reactivity	Human, Mouse, Rat
Conjugation	Biotin
Tested Applications	ELISA, ICC, IF, IHC, WB
Immunogen	Full length recombinant human VSP35
Target	VPS35
Preservatives	136.36mM Ethanolamine, and 9.55mM Sodium Bicarbonate in 95.45% PBS
Concentration	1 mg/ml
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Application notes	A 1:1000 dilution of SMC-602 was sufficient for detection of VPS35 in 10 µg of SH-SY5Y by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary antibody.
Isotype	IgG2a
Clonality	Monoclonal
Clone Number	70000
MW	92 kDa
Uniprot ID	Q96QK1
NCBI	NP_060676.2

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Entrez

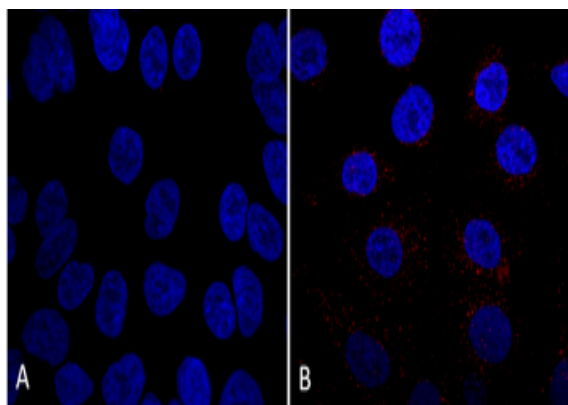
55737

Dilution Range

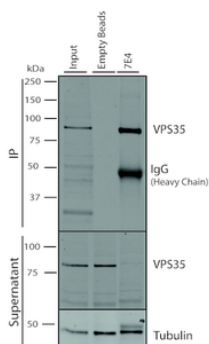
WB (1:1000); ICC/IF (1:200); IP (1:200)

Expiration Date

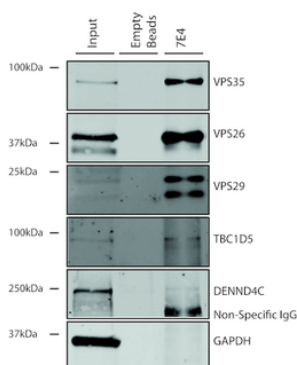
12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody at 1:5 (tissue culture supernatant). Secondary Antibody: Donkey anti-mouse: Alexa Fluor 594 at 1:4000 in 0.2% BSA PBS. Counterstain: DAPI. Localization: Vesicles. A) VPS35 KO A549 cells B) WT A549 cells.



Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody. 500 μ L cell culture supernatants were incubated with 10 μ L of Protein A/G resin beads for 1 hour at 4°C. clone 7E4 depletes virtually all of the VPS35 from the A549 cell extract.



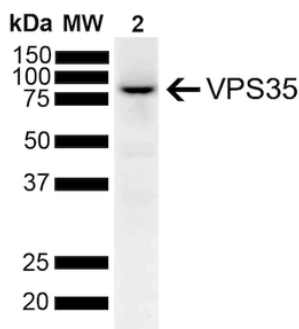
Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody.

Biorbyt Ltd.

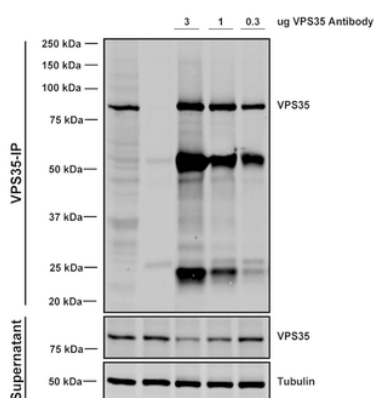
7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

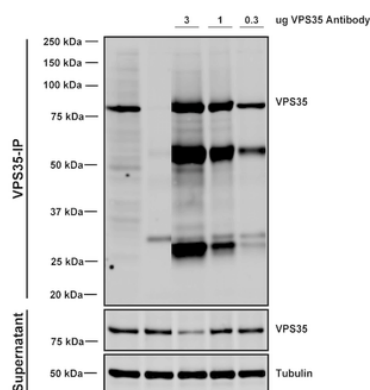
68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)



Western Blot analysis of Human SH-SY5Y lysates showing detection of 91.7 kDa VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Lane 1: Molecular Weight Ladder. Lane 2: SH-SY5Y. Load: 10 µg. Block: 5% Skim Milk powder in TBST. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody at 1:1000 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Predicted/Observed Size: 91.7 kDa.



Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody. Three amounts of (3, 1 and 0.3 ug) were non-covalently coupled to 10uL of A/G sepharose beads for 1 hour at 4°C and next incubated with 250ug of A549 lysate for 2 hours at 4°C.



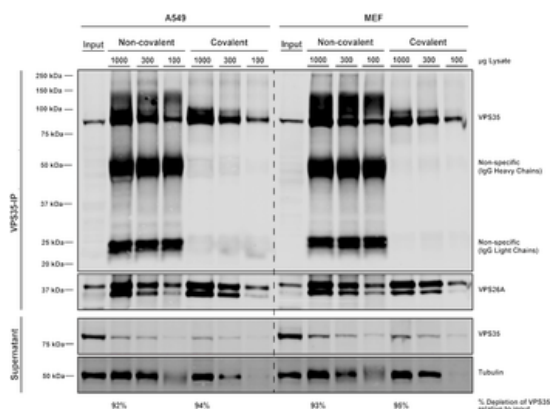
Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: embryonic fibroblast. Species: Mouse. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody. Three amounts of (3, 1 and 0.3 ug) were non-covalently coupled to 10uL of A/G sepharose beads for 1 hour at 4°C and next incubated with 250ug of MEF lysate for 2 hours at 4°C.

Biorbyt Ltd.

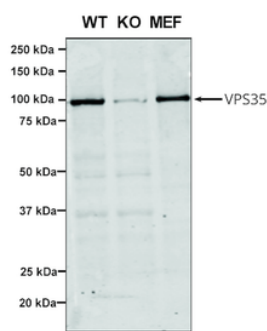
7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)



Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: MEF, A549 cells. Species: Human, Mouse. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody at 1:5 (tissue culture supernatant). 10 μ g antibody were coupled to 10 μ L A/G resin beads either covalently (with DMP) or non-covalently (1 hour at 4 degrees). The antibody immunoprecipitates VPS35 in mouse and human cells effectively when covalently coupled to the beads.



Western Blot analysis of Human, Mouse A549, MEF showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Lane 1: Molecular Weight Ladder. Lane 2: VPS35 KO A549 cells. Lane 3: mouse embryonic fibroblast cells. Load: 8 μ g each A549 and MEF. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody at 1:5 (tissue culture supernatant). Secondary Antibody: Donkey anti-mouse IRDye 800CW at 1:25000 in TBS-T.