

## Product Datasheet

### VPS35 Antibody (PerCP) (orb612805)

<b>Catalog Number</b>	orb612805
<b>Category</b>	Antibodies
<b>Description</b>	Mouse monoclonal antibody against VPS35 conjugated to PerCP
<b>Target</b>	VPS35
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Conjugation</b>	PerCP
<b>Reactivity</b>	Human, Mouse, Rat
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	95.46mM Phosphate, 2.48mM MES and 2mM EDTA
<b>Purification</b>	Protein G Purified
<b>Immunogen</b>	Full length recombinant human VSP35
<b>UniProt ID</b>	<b>Q96QK1</b>
<b>MW</b>	92 kDa
<b>Tested applications</b>	ICC, IF, IHC, IP, WB
<b>Dilution range</b>	WB (1:1000); ICC/IF (1:200); IP (1:200); IHC (1:100)

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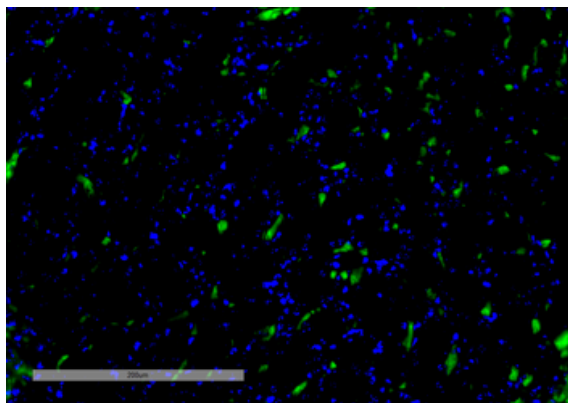
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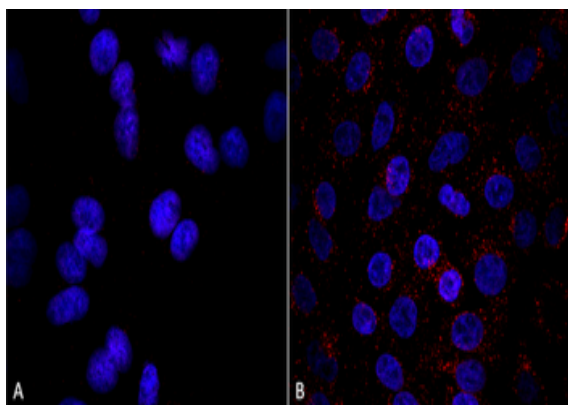
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<b>Application notes</b>	A 1:1000 dilution was sufficient for detection of VPS35 in 10 µg of SH-SY5Y by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary antibody.
<b>Specificity</b>	Detects ~92 kDa.
<b>Clone Number</b>	8A3
<b>Storage</b>	Conjugated antibodies should be stored according to the product label
<b>Note</b>	For research use only
<b>Entrez</b>	<b>55737</b>
<b>NCBI</b>	<b>NP_060676.2</b>
<b>Expiration Date</b>	12 months from date of receipt.



Immunohistochemistry analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 8A3. Tissue: Kidney. Species: Mouse. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody at 1:100 for Overnight at 4°C, then 30 min at 37°C. Secondary Antibody: Goat Anti-Mouse IgG (H+L): FITC for 45 min at 37°C. Counterstain: DAPI for 3 min at RT. Magnification: 20X.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 8A3. 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.

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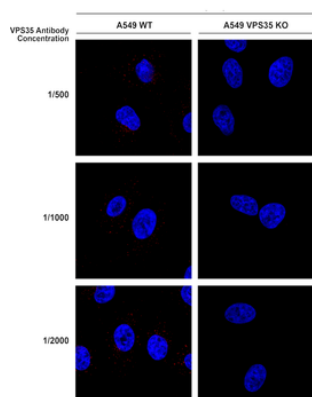
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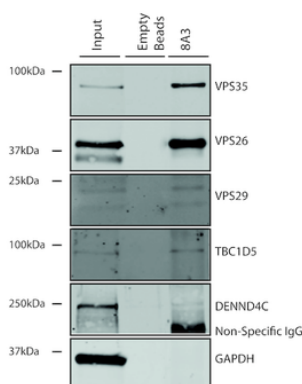
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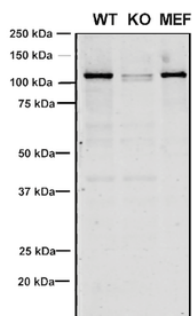
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Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 8A3. Tissue: A549 WT, VPS35 KO cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody. Secondary Antibody: Donkey Anti-Mouse AlexaFluor 594. Clone can detect VPS35 at 1/2000 concentration.



Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 8A3. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody.



Western Blot analysis of Human, Mouse A549, MEF showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 8A3. Lane 1: Molecular Weight Ladder. Lane 2: VPS35 KO A549 cells. Lane 3: mouse embryonic fibroblast cells. Load: 8 µg 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.

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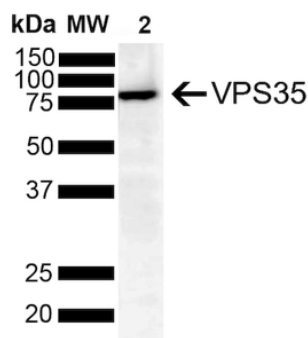
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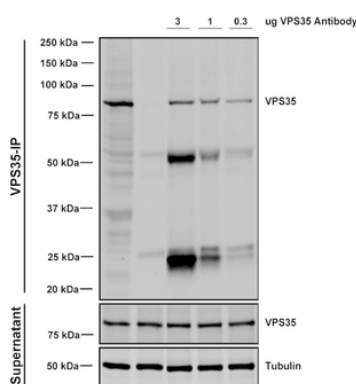
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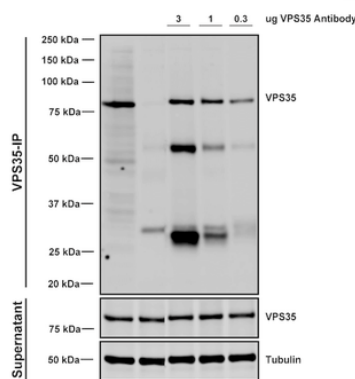
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Western Blot analysis of Human SH-SY5Y showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 8A3. Lane 1: Molecular Weight Ladder. Lane 2: SH-SY5Y (10 ug). Load: 10 µg. Block: 5% Skim Milk powder in TBST. Primary Antibody: 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.



Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 8A3. 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 8A3. 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.

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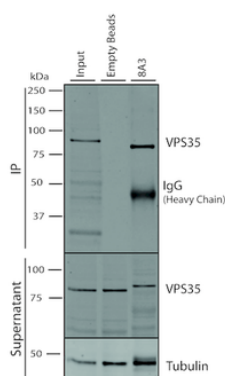
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Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 8A3. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody. 500  $\mu$ L cell culture supernatants were incubated with 10  $\mu$ L of Protein A/G resin beads for 1 hour at 4°C.

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