

# Product Datasheet

## VPS35 Antibody (7E4) - BSA Free NBP2-78823

Unit Size: 100 ug

Store at -20C.

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### Publications: 1

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**NBP2-78823**

VPS35 Antibody (7E4) - BSA Free

**Product Information**

|                      |   |
|----------------------|---|
| <b>Unit Size</b>     | 100 ug  |
| <b>Concentration</b> | Please see the vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at -20C.  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Clone</b>         | 7E4   |
| <b>Preservative</b>  | 0.09% Sodium Azide  |
| <b>Isotype</b>       | IgG2a   |
| <b>Purity</b>        | Protein G purified  |
| <b>Buffer</b>        | PBS (pH 7.4), 50% Glycerol  |

**Product Description**

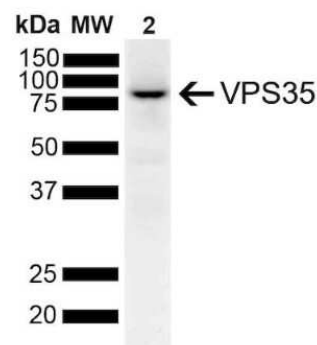
|                    |                                     |
|--------------------|-------------------------------------|
| <b>Host</b>        | Mouse                               |
| <b>Gene ID</b>     | 55737                               |
| <b>Gene Symbol</b> | VPS35                               |
| <b>Species</b>     | Human, Mouse, Rat                   |
| <b>Immunogen</b>   | Full length recombinant human VSP35 |

**Product Application Details**

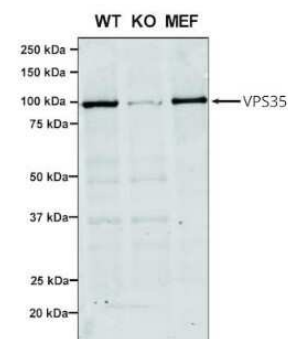
|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockout Validated                    |
| <b>Recommended Dilutions</b> | Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:200, Immunoprecipitation 1:200, Knockout Validated |

**Images**

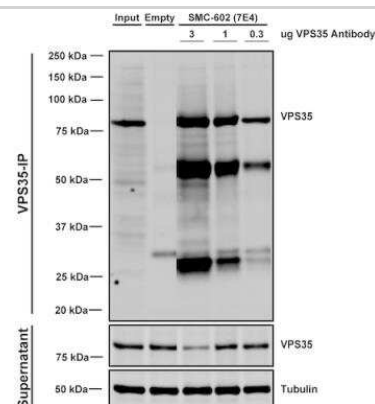
Western Blot: VPS35 Antibody (7E4) [NBP2-78823] - Western Blot analysis of Human SH-SY5Y lysates showing detection of 91.7 kDa VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (NBP2-78823). Lane 1: Molecular Weight Ladder. Lane 2: SH-SY5Y. Load: 10 ug. Block: 5% Skim Milk powder in TBST. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (NBP2-78823) 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.



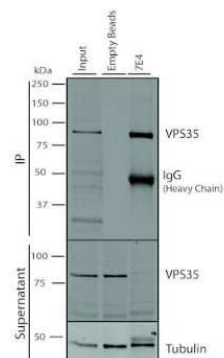
**Western Blot: VPS35 Antibody (7E4) [NBP2-78823]** - Western Blot analysis of Human, Mouse A549, MEF showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (NBP2-78823). Lane 1: Molecular Weight Ladder. Lane 2: VPS35 KO A549 cells. Lane 3: mouse embryonic fibroblast cells.. Load: 8 ug each A549 and MEF. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (NBP2-78823) at 1:5 (tissue culture supernatant). Secondary Antibody: Donkey anti-mouse IRDye 800CW at 1:25000 in TBS-T.



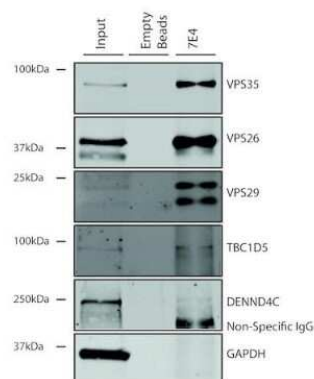
**Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823]** - Tissue: embryonic fibroblast. Species: Mouse. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (NBP2-78823). Three amounts of NBP2-78823 (3, 1 and 0.3 ug) were non-covalently coupled to 10uL of A/G sepharose beads for 1 hour at 4 degrees C and next incubated with 250ug of MEF lysate for 2 hours at 4 degrees C.



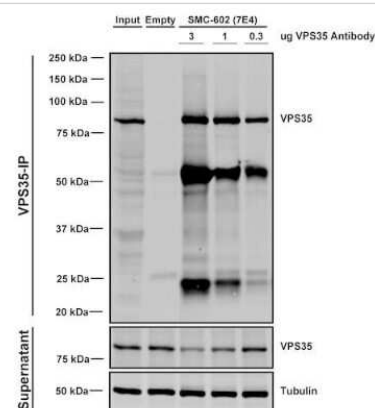
**Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823]** - Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 . Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody. 500 uL cell culture supernatants were incubated with 10 uL of Protein A/G resin beads for 1 hour at 4C. Clone 7E4 depletes virtually all of the VPS35 from the A549 cell extract.



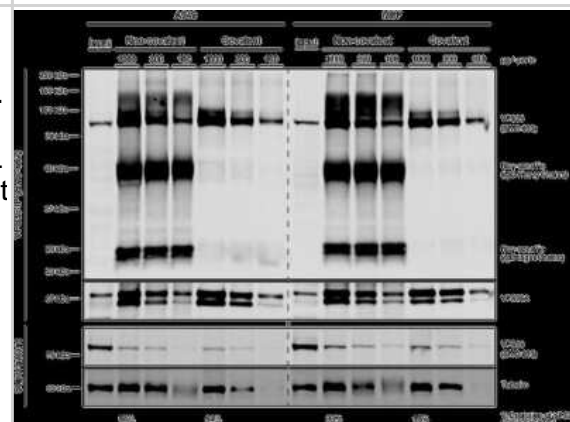
**Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823]** - Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody.



**Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823] -**  
 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 NBP2-78823 (3, 1 and 0.3 ug) were non-covalently coupled to 10uL of A/G sepharose beads for 1 hour at 4C and next incubated with 250ug of A549 lysate for 2 hours at 4C.



**Immunoprecipitation: VPS35 Antibody (7E4) [NBP2-78823] -**  
 Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4. Tissue: MEF, A549 cells. Species: Human, Mouse. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (SMC-602) at 1:5 (tissue culture supernatant). 10 ug antibody were coupled to 10 uL 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..



## Publications

Dominko K, Rastija A, Sobocanec S et al. Impaired Retromer Function in Niemann-Pick Type C Disease Is Dependent on Intracellular Cholesterol Accumulation International journal of molecular sciences 2021-12-09 [PMID: 34948052]



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### **Products Related to NBP2-78823**

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|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96778         | Mouse IgG2a Isotype Control (M2A)                       |
| H00055737-P01-10ug | Recombinant Human VPS35 GST (N-Term) Protein            |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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