

Datasheet for ABIN6932908

**anti-VPS35 antibody**

## 7 Images

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## Overview

Quantity:	100 µg
Target:	VPS35
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VPS35 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Full length recombinant human VSP35
Clone:	7E4
Isotype:	IgG2a
Specificity:	Ubiquitous. Highly expressed in brain, colon, heart, kidney, ovary, placenta, skeletal muscle, small intestine, testis, thymus., Detects ~92 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

## Target Details

Target:	VPS35
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## Target Details

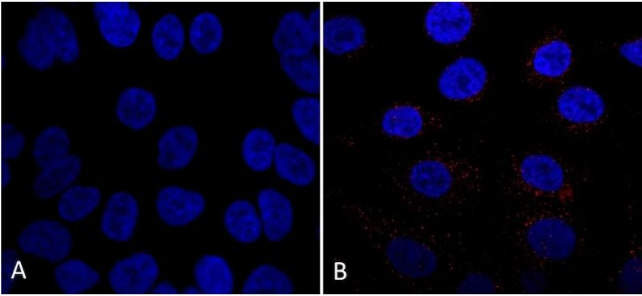
Alternative Name:	VPS35 ( <a href="#">VPS35 Products</a> )
Background:	Vacuolar Protein Sorter-35 (VPS35) is a component of the retromer complex, which is essential for endosome-to-Golgi retrieval of membrane proteins. VPS35 mutations such as D620N have been linked to Parkinson's Disease (PD) (1,2) and affect retromer function, protein homeostasis, and mitochondria (3).
Gene ID:	55737
NCBI Accession:	<a href="#">NP_060676</a>
UniProt:	<a href="#">Q96QK1</a>

## Application Details

Application Notes:	<ul style="list-style-type: none"><li>• WB (1:1000)</li><li>• ICC/IF (1:200)</li><li>• IP (1:200)</li><li>• optimal dilutions for assays should be determined by the user.</li></ul>
Comment:	A 1:1000 dilution of ABIN6932908 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.
Restrictions:	For Research Use only

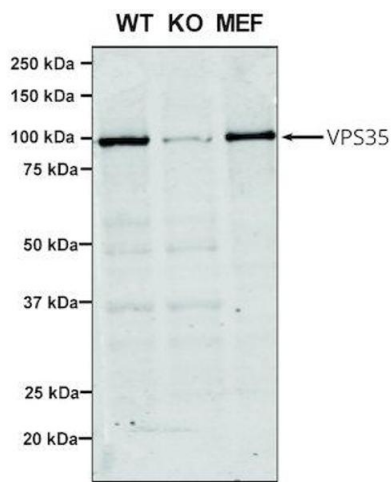
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.09 % Sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C



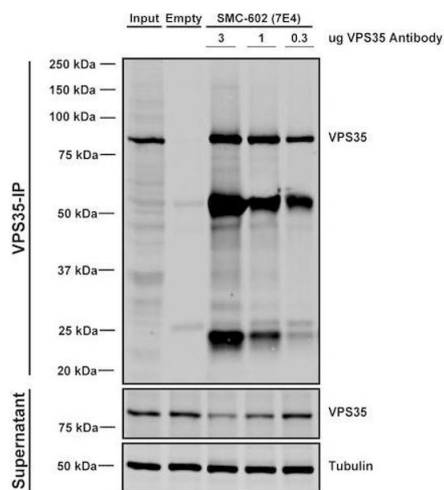
### Immunocytochemistry

**Image 1.** Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (ABIN6932908). Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (ABIN6932908) 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. Courtesy of: Dario Alessi Lab, University of Dundee.



### Western Blotting

**Image 2.** Western Blot analysis of Human, Mouse A549, MEF showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (ABIN6932908). 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 (ABIN6932908) at 1:5 (tissue culture supernatant). Secondary Antibody: Donkey anti-mouse IRDye 800CW at 1:25000 in TBS-T.



### Immunoprecipitation

**Image 3.** Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (ABIN6932908). Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (ABIN6932908). Three amounts of ABIN6932908 (3, 1 and 0.3 µg) were non-covalently coupled to 10 µL of A/G sepharose beads for 1 hour at 4 °C and next incubated with 250 µg of A549 lysate for 2 hours at 4 °C.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN6932908.