Datasheet for ABIN6932944

anti-VPS35 antibody (Biotin)

7 Images

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Overview

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

Product Details

Immunogen:	Full length recombinant human VSP35
Clone:	5A9
Isotype:	IgG1
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

Target Details

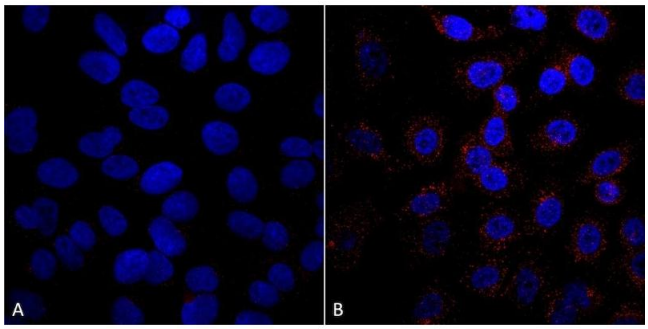
Alternative Name:	VPS35 (VPS35 Products)
Background:	Vacuolar Protein Sorter-35 (VPS35) is a component of the retromer complex, which is essential for endosome-to-Golgi retrieval of membrane proteins. VPS35 mutations such as D620N have been linked to Parkinson's Disease (PD) (1,2) and affect retromer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

Application Details

Application Notes:	• WB (1:1000) • ICC/IF (1:200) • IP (1:200) • optimal dilutions for assays should be determined by the user. • optimal dilutions for assays should be determined by the user.
Comment:	A 1:1000 dilution of ABIN6932944 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

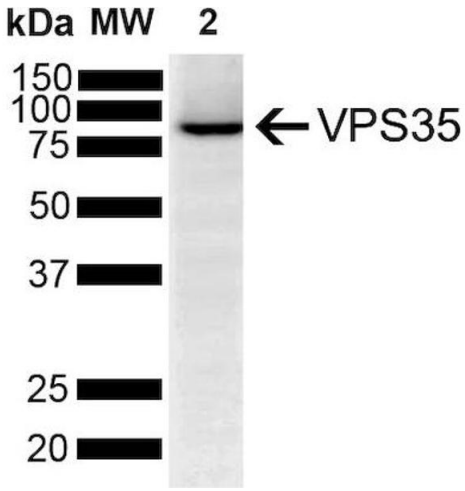
Handling

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:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C



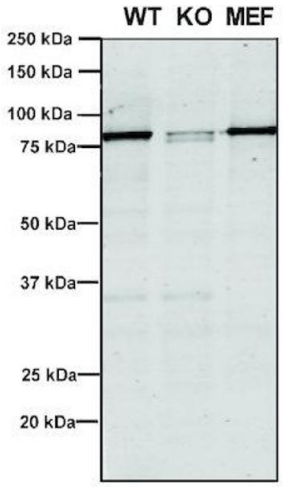
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 5A9 (ABIN6932944). Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (ABIN6932944) 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 SH-SY5Y showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 5A9 (ABIN6932944). Lane 1: Molecular Weight Ladder. Lane 2: SH-SY5Y (10 µg). Load: 10 µg. Block: 5 % Skim Milk powder in TBST. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (ABIN6932944) 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.



Western Blotting

Image 3. Western Blot analysis of Human, Mouse A549, MEF showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 5A9 (ABIN6932944). 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 (ABIN6932944) at 1:5 (tissue culture supernatant). Secondary Antibody: Donkey anti-mouse IRDye 800CW at 1:25000 in TBS-T.

Please check the product details page for more images. Overall 7 images are available for ABIN6932944.