Datasheet for ABIN6932920

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:	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

Target Details

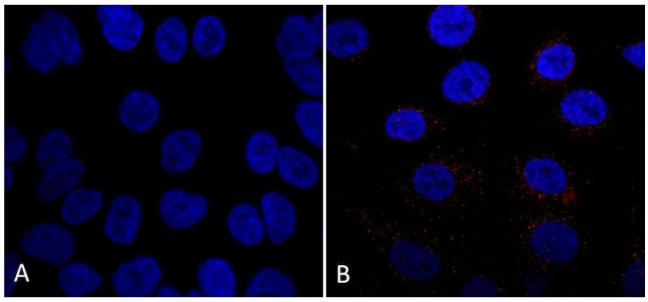
Alternative Name:	VPS35 (VPS35 Products)
Background:	Vacuolar Protein Sorter-35 (VPS35) is a component of the retromer complex, which is essential for endosome-to-Golgi retrieval of membrane proteins. VPS35 mutations such as D620N have been linked to Parkinson's Disease (PD) (1,2) and affect retromer 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.
Comment:	A 1:1000 dilution of ABIN6932920 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

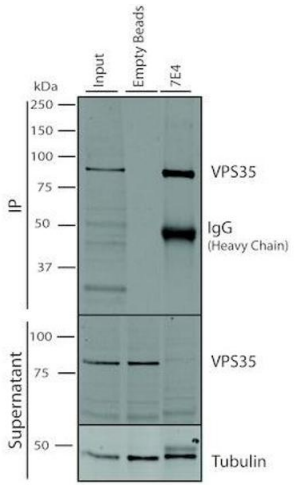
Handling

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



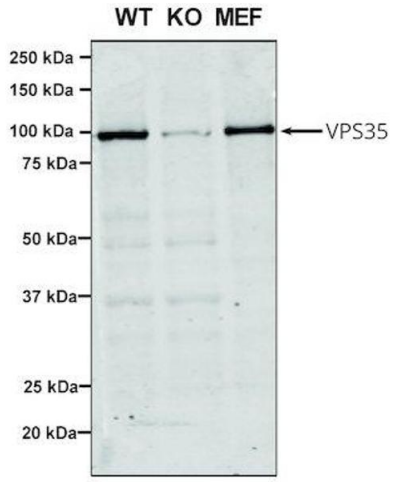
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (ABIN6932920). Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (ABIN6932920) 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.



Immunoprecipitation

Image 2. Immunoprecipitation analysis using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (ABIN6932920). Tissue: A549 cells. Species: Human. Primary Antibody: Mouse Anti-VPS35 Monoclonal Antibody (ABIN6932920). 500 µL cell culture supernatants were incubated with 10 µL of Protein A/G resin beads for 1 hour at 4 °C. ABIN6932920 clone 7E4 depletes virtually all of the VPS35 from the A549 cell extract..



Western Blotting

Image 3. Western Blot analysis of Human, Mouse A549, MEF showing detection of VPS35 protein using Mouse Anti-VPS35 Monoclonal Antibody, Clone 7E4 (ABIN6932920). 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 (ABIN6932920) 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 ABIN6932920.