



Anti-VPS35 Antibody

Alternative Names: MEM3, PARK17, Vacuolar protein sorting-associated protein 35, hVPS35, Maternal-embryonic 3, Vesicle protein sorting 35

Catalogue Number: AB19-10109-100ug

Size: 100 µg

Background Information

The vacuolar protein sorting 35 (VPS35) is a major component of the retromer recognition core complex which regulates intracellular protein sorting and trafficking.

Mutations in the VPS35 gene are linked to late-onset, autosomal dominant familial Parkinson's disease (PD), which may involve a link with tau pathology with VPS35 shown to be significantly reduced in two distinct primary tauopathies (Progressive Supra-nuclear Palsy and Picks' disease, two distinct primary tauopathies) [1]. There may also be a link between VPS35 and α -synuclein accumulation, but more work is required to establish the details of the pathogenic/neuroprotective role of VPS35.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse
Immunogen:	A synthetic peptide from human VPS35		
Format:	100 µg in 100 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	WB IHC WB 1:500-2000. IHC 1:25-100.		

Additional Information

Subcellular location:	Cytoplasm, Endosome	MW:	92 kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	55737	Uniprot ID:	Q96QK1



References

[1] Vagnozzi, A.N., Li, J., Chiu, J. et al. VPS35 regulates tau phosphorylation and neuropathology in tauopathy. Mol Psychiatry (2019) doi:10.1038/s41380-019-0453-x