



## Anti-VPS35 Antibody

|                           |  |
|---------------------------|--|
| <b>Alternative Names:</b> | MEM3, PARK17, Vacuolar protein sorting-associated protein 35, hVPS35, Maternal-embryonic 3, Vesicle protein sorting 35 |
| <b>Catalogue Number:</b>  | AB19-10110-100ug   |
| <b>Size:</b>              | 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  $\alpha$ -synuclein accumulation, but more work is required to establish the details of the pathogenic/neuroprotective role of VPS35.

## Product Information

|                            |   |                            |                   |
|----------------------------|---|----------------------------|-------------------|
| <b>Antibody Type:</b>      | Polyclonal  | <b>Host:</b>               | Rabbit            |
| <b>Isotype:</b>            | IgG   | <b>Species Reactivity:</b> | Human, Mouse, Rat |
| <b>Immunogen:</b>          | Partial length recombinant human VPS35 from the N-terminal region |                            |                   |
| <b>Format:</b>             | 100 µg in 100 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.  |                            |                   |
| <b>Storage Conditions:</b> | Store at -20°C. Avoid freeze / thaw cycles.                       |                            |                   |
| <b>Applications:</b>       | WB<br>WB 1:500-2000.  |                            |                   |

## Additional Information

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