BACKGROUND
Hexanucleotide expansions in C9orf72 gene was identified in patients with frontotemporal lobar degeneration (FTLD) and Amyotrophic Lateral Sclerosis (ALS) in 2011. GGGGCC expansions are characterised pathologically by the presence of TDP-43 negative and p62 positive inclusions in granule cells of cerebellum and in cells of dentate gyrus and CA4 area of the hippocampus. It was reported that these inclusions included dipeptide repeat proteins, poly-GA, poly-GR and poly-GP, arising from a putative non-ATG initiated sense translation of the GGGGCC expansion. These antibodies are powerful tools for IHC analysis of neurodegenerative diseases.

Product type Primary antibody
Immunogen poly (GP)8
Raised in Rabbit (New Zealand White)
Myeloma -
Clone number -
Isotype -
Source Anti-serum
Purification -
Form Liquid. Anti-serum with 0.1% NaN3 as a preservative
Concentration -
Volume 50 uL
Label Unlabeled
Specificity poly (GP)8
Cross reactivity Human
Storage Store below -20°C. (below -70°C for prolonged storage). Aliquot to avoid cycles of freeze/thaw.

Application notes ELISA
Recommended dilutions Immunohistochemistry: 1/500-1/2000 (Ref.1)
Other applications have not been tested. Optimal dilutions/ concentrations should be determined by the end user.

References


3) Davidson Y, et al. Neurodegeneration in Frontotemporal Lobar Degeneration and


RELATED PRODUCTS:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Quantity</th>
<th>Cat#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-C9orf72 poly(GA)</td>
<td>50 uL</td>
<td>CAC-TIP-C9-P01</td>
</tr>
<tr>
<td>Anti-C9orf72 poly(GR)</td>
<td>50 uL</td>
<td>CAC-TIP-C9-P02</td>
</tr>
</tbody>
</table>

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