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 (GR)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 (GR)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.


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(GP)</td>
<td>50 uL</td>
<td>CAC-TIP-C9-P03</td>
</tr>
</tbody>
</table>

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