

Anti-C9orf72 poly(GP)

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 containing 50% glycerol and 0.05% NaN3
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: 1/1000-1/2000
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	1) David MA Mann, et al. Dipeptide repeat proteins are present in the p62 positive inclusions in patients with frontotemporal lobar degeneration and motor neurone disease associated with expansions in C9ORF72. Acta Neuropathologica Communications (2013) 1:68. PMID 24252525
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RELATED PRODUCTS:

Product Name	Quantity	Cat#
Anti-C9orf72 poly(GA)	50 uL	CAC-TIP-C9-P01
Anti-C9orf72 poly(GR)	50 uL	CAC-TIP-C9-P02