

POLYCLONAL ANTIBODY

For research use only, Not for diagnostic use

Catalog No. TIP-C9-P01

Anti-C9orf72 poly(GA)

BACKGROUND

Hexanucleotide expansions in C9orf72 gene was identified in patients with Frontotemporal Lobar Degeratation (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	synthetic N279D 4R-tau peptide (VQIIDKKLDLSNVQSKC)
Raised in	Rabbit
Myeloma	-
Clone number	-
Isotype	-
Source	Anti-serum
Purification	-
Form	Liquid. Anti-serum with 0.1% NaN ₃ as a preservative
Concentration	-
Volume	50 uL
Label	Unlabeled
Specificity	4R-tau isoforms
Cross reactivity	Human, Mouse, Rat
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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COSMO BIO CO., LTD.

Inspiration for Life Science

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RELATED PRODUCTS:

Product Name	Quantity	Maker	Cat#
Anti-C9orf72 poly(GR)	50 uL	CAC	TIP-C9-P02
Anti-C9orf72 poly(GP)	50 uL	CAC	TIP-C9-P03

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