

# C9orf72 Rabbit Polyclonal Antibody



CAB15970

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

54kDa

### Calculated MW:

24kDa/54kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:100 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

The protein encoded by this gene plays an important role in the regulation of endosomal trafficking, and has been shown to interact with Rab proteins that are involved in autophagy and endocytic transport. Expansion of a GGGGCC repeat from 2-22 copies to 700-1600 copies in the intronic sequence between alternate 5' exons in transcripts from this gene is associated with 9p-linked ALS (amyotrophic lateral sclerosis) and FTD (frontotemporal dementia) (PMID: 21944778, 21944779). Studies suggest that hexanucleotide expansions could result in the selective stabilization of repeat-containing pre-mRNA, and the accumulation of insoluble dipeptide repeat protein aggregates that could be pathogenic in FTD-ALS patients (PMID: 23393093). Alternative splicing results in multiple transcript variants encoding different isoforms.

## Immunogen information

### Gene ID:

203228

### Uniprot

Q96LT7

### Synonyms:

C9orf72; ALSFTD; DENNL72; FTDALS; FTDALS1

### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human C9orf72 (NP\_060795.1).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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