

Recombinant

DGRmAb®

**C9orf72 (DGR16164) Rabbit mAb (PBS Only)**

db11289-PBS

Package : 100µg

**Product Name** : C9orf72 (DGR16164) Rabbit mAb (PBS Only)**Cat.No.:** db11289-PBS**Synonyms** : ALSFTD; DENND9; FTDALS; DENNL72; FTDALS1**Application** : WB**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**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. [provided by RefSeq, Jul 2016]

**Immunogen**

Recombinant protein of human C9orf72

**Gene ID**

203228, 73205, 313155

**Swiss Prot**

Q96LT7, Q6DFW0, Q66HC3

**Synonyms**

ALSFTD; DENND9; FTDALS; DENNL72; FTDALS1

**Reactivity**

Human,Mouse,Rat

**Application**

WB

**Recommended dilution**

WB: 1:1000

**Calculated MW**

54 kDa

**Observed MW**

54 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR16164

<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/ml
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.