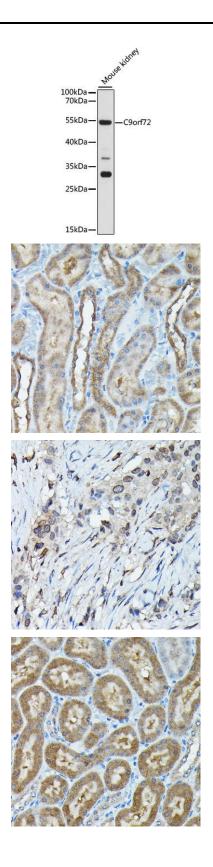
C9orf72 Rabbit Polyclonal Antibody

CAB15970



roduct Information	Protein Background
Size:	The protein encoded by this gene plays an important role in the regulation of endosoma
20uL, 50uL, 100uL, 200uL	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
Observed MW:	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
54kDa	21944778, 21944779). Studies suggest that hexanucleotide expansions could result in the selective stabilization of repeat-containing pre-mRNA, and the accumulation of insoluble
Calculated MW:	dipeptide repeat protein aggregates that could be pathogenic in FTD-ALS patients (PMID 23393093). Alternative splicing results in multiple transcript variants encoding different
24kDa/54kDa	isoforms.
Applications:	Immunogen information
WB IHC IF	Gene ID:
Reactivity:	203228
Human, Mouse, Rat	Uniprot Q96LT7
Antibody Information	Synonyms:
Recommended dilutions: WB 1:500 - 1:2000 IHC 1:50 - 1:100 IF 1:50 - 1:200	C9orf72; ALSFTD; DENNL72; FTDALS; FTDALS1
Source:	
Rabbit	Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human C9orf72 (NP_060795.1).
lsotype:	
lgG	Storege
	Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Purification: Affinity purification



Western blot analysis of extracts of mouse kidney, using C9orf72 antibody (CAB15970) at 1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.

Immunohistochemistry of paraffin-embedded rat kidney using C9orf72 Rabbit pAb (CAB15970) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded human esophageal cancer using C9orf72 Rabbit pAb (CAB15970) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded mouse kidney using C9orf72 Rabbit pAb (CAB15970) at dilution of 1:100 (40x lens).