



# CI072 rabbit pAb

Cat No.:ES17460

For research use only

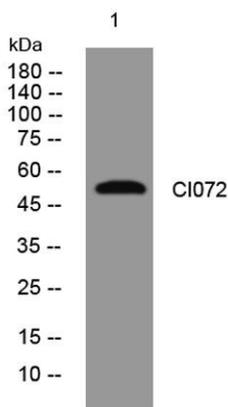
## Overview

<b>Product Name</b>	CI072 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB
<b>Species Cross-Reactivity</b>	Human; Mouse;Rat
<b>Recommended dilutions</b>	WB 1: 500-2000
<b>Immunogen</b>	Synthesized peptide derived from human CI072 AA range: 188-238
<b>Specificity</b>	This antibody detects endogenous levels of CI072 at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	CI072
<b>Gene Name</b>	C9orf72
<b>Cellular localization</b>	Nucleus . Cytoplasm . Cytoplasm, P-body . Cytoplasm, Stress granule . Endosome . Lysosome . Cytoplasmic vesicle, autophagosome . Secreted . Cell projection, axon . Cell projection, growth cone . Perikaryon . Detected in the cytoplasm of neurons from brain
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	203228
<b>Human Swiss-Prot Number</b>	Q96LT7
<b>Alternative Names</b>	
<b>Background</b>	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],



Western blot analysis of lysates from THP-1 cells, primary antibody was diluted at 1:1000, 4° over night

