

产品名称: C9orf72 Mouse Monoclonal Antibody
产品货号: AMM82956



产品概述 (Summary)

产品名称 (Production Name)	C9orf72 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA,FC
种属反应性 (Reactivity)	Human, Mouse, Monkey, Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2b
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	C9orf72
别名 (Alternative Names)	ALSFTD; DENND9; FTDALS; DENNL72; FTDALS1
基因 ID (Gene ID)	203228.0
蛋白 ID (SwissProt ID)	.Purified recombinant fragment of human C9orf72 (AA: 110-199) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	54.3kDa

研究背景 (Background)

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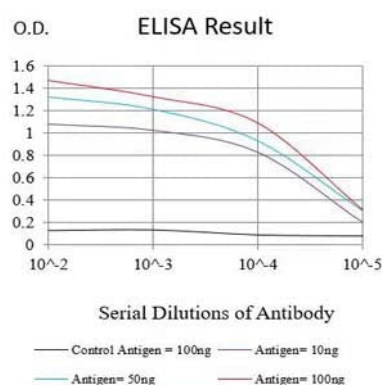


The protein encoded by this gene plays an important role in the regulation of endosomal trafficking, and has been shown to interact with Rab proteins that are involved in autophagy and endocytic transport. Expansion of a GGGGCC repeat from 2-22 copies to 700-1600 copies in the intronic sequence between 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.

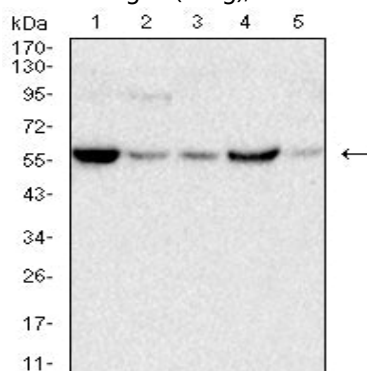
研究领域 (Research Area)

Autophagy

图片 (Image Data)

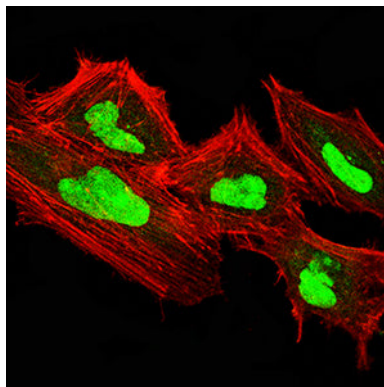


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

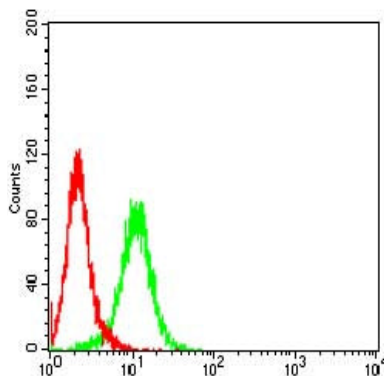


Western blot analysis using C9orf72 mouse mAb against C6 (1), PC-12 (2),COS-7 (3),NIH/3T3 (4) and SK-N-SH (5) cell lysate.

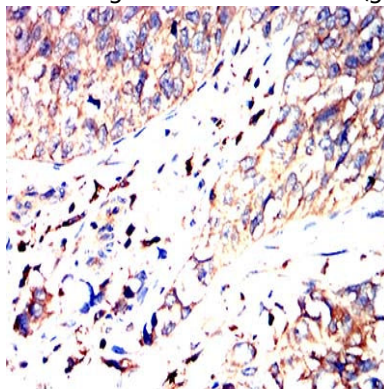
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Immunofluorescence analysis of HeLa cells using C9orf72 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

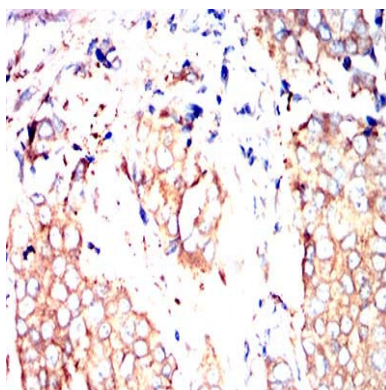


Flow cytometric analysis of HeLa cells using C9orf72 mouse mAb (green) and negative control (red).

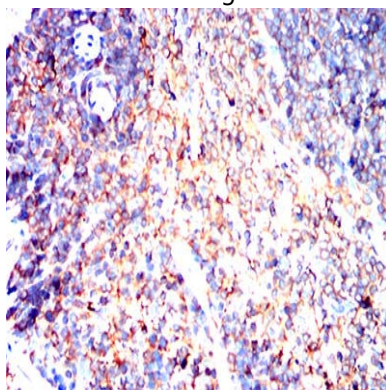


Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using C9orf72 mouse mAb with DAB staining.

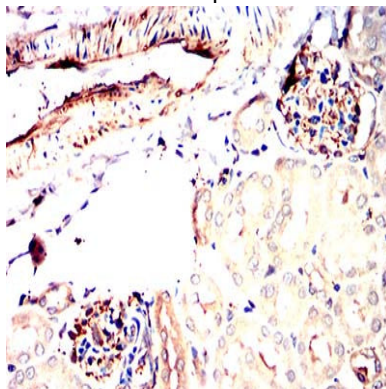
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Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using C9orf72 mouse mAb with DAB staining.

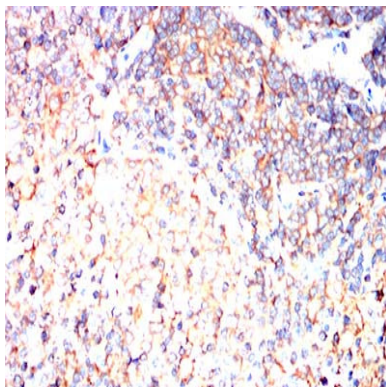


Immunohistochemical analysis of paraffin-embedded mouse spleen tissues using C9orf72 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissues using C9orf72 mouse mAb with DAB staining.

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Immunohistochemical analysis of paraffin-embedded rat spleen tissues using C9orf72 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .