产品名称：Myotubularin Rabbit Polyclonal Antibody
产品货号：APRab14349

产品概述（Summary）

产品名称（Production Name）	Myotubularin Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC
种属反应性（Reactivity）	Human,Mouse

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
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）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	MTM1
别名（Alternative Names）	MTM1; CG2; Myotubularin
基因 ID（Gene ID）	4534.0
蛋白 ID（SwissProt ID）	Q13496.The antiserum was produced against synthesized peptide derived from human Myotubularin. AA range:241-290

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量（Molecular Weight）	70kDa

研究背景（Background）

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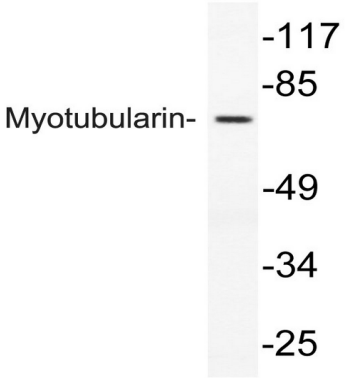
This gene encodes a dual-specificity phosphatase that acts on both phosphotyrosine and phosphoserine. It is required for muscle cell differentiation and mutations in this gene have been identified as being responsible for X-linked myotubular myopathy. [provided by RefSeq, Jul 2008],catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,disease:Defects in MTM1 are the cause of X-linked centronuclear myopathy X-linked (XCNM) [MIM:310400]; also known as X-linked myotubular myopathy (XLMTM) or myotubular myopathy type 1 (MTM1). Centronuclear myopathies are congenital muscle disorders characterized by progressive muscular weakness and wasting involving mainly limb girdle, trunk, and neck muscles. It may also affect distal muscles. Weakness may be present during childhood or adolescence or may not become evident until the third decade of life. Ptosis is a frequent clinical feature. The most prominent histopathologic features include high frequency of centrally located nuclei in muscle fibers not secondary to regeneration, radial arrangement of sarcoplasmic strands around the central nuclei, and predominance and hypotrophy of type 1 fibers.,function:Dual-specificity phosphatase that acts on both phosphotyrosine and phosphoserine. Could be involved in a signal transduction pathway necessary for late myogenesis, although its ubiquitous expression suggests a wider function.,similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class myotubularin subfamily.,similarity:Contains 1 GRAM domain.,similarity:Contains 1 myotubularin phosphatase domain.,

研究领域（Research Area）

图片（Image Data）



Western blot analysis of lysate from COLO205 cells, using Myotubularin antibody.

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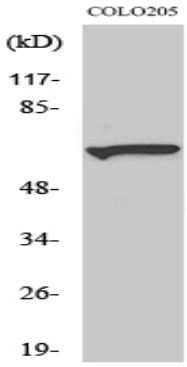

Western Blot analysis of various cells using Myotubularin Polyclonal Antibody diluted at 1：500

注意事项（Note）

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