

产品名称: DDR2 Mouse Monoclonal Antibody
产品货号: AMM80607



产品概述 (Summary)

产品名称 (Production Name)	DDR2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA, FC
种属反应性 (Reactivity)	Human, Mouse, Rat, Rabbit

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2a
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)	DDR2
别名 (Alternative Names)	TKT; MIG20a; NTRKR3; TYRO10
基因 ID (Gene ID)	4921.0
蛋白 ID (SwissProt ID)	Q16832. Purified recombinant fragment of human DDR2 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	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)	96.7kDa

研究背景 (Background)

DDR2 (discoidin domain receptor family, member 2) is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/ threonine (STK) kinase

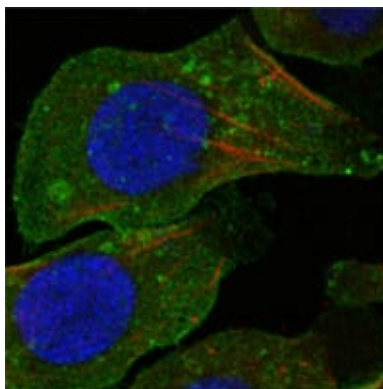
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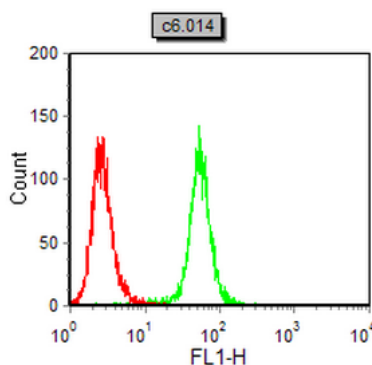
catalytic domains. Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation, and metabolism. In several cases the biochemical mechanism by which RTKs transduce signals across the membrane has been shown to be ligand induced receptor oligomerization and subsequent intracellular phosphorylation. This autophosphorylation leads to phosphorylation of cytosolic targets as well as association with other molecules, which are involved in pleiotropic effects of signal transduction. RTKs have a tripartite structure with extracellular, transmembrane, and cytoplasmic regions. This gene encodes a member of a novel subclass of RTKs and contains a distinct extracellular region encompassing a factor VIII-like domain. Alternative splicing in the 5' UTR results in multiple transcript variants encoding the same protein.

研究领域 (Research Area)

图片 (Image Data)

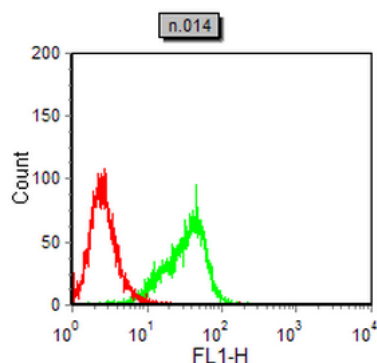


Confocal Immunofluorescence analysis of A549 cells using DDR2 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

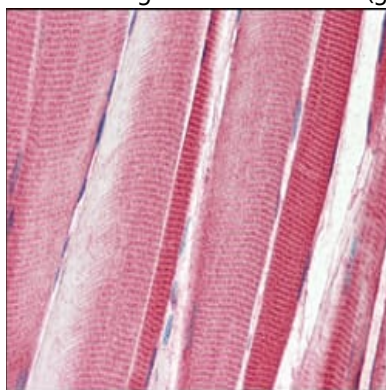


Flow cytometric analysis of C6 cells using DDR2 mouse mAb (green) and negative control (red).

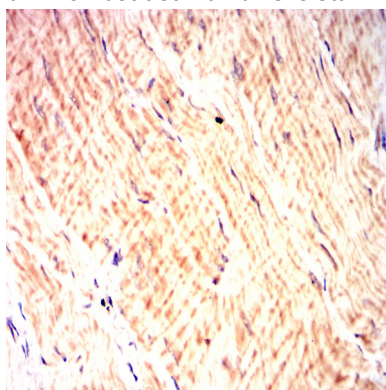
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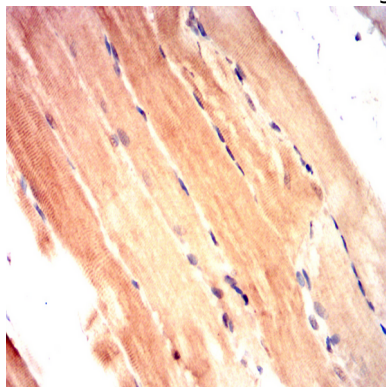
Flow cytometric analysis of NIH3T3 cells using DDR2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissues using DDR2 mouse mAb.



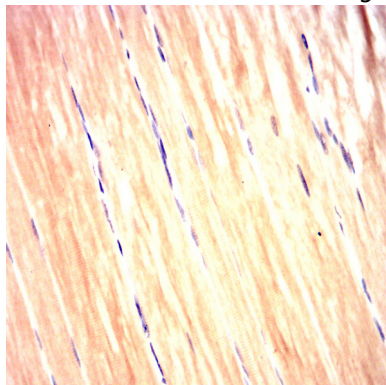
Immunohistochemical analysis of paraffin-embedded Mouse muscle using DDR2 mouse mAb with DAB staining.



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Immunohistochemical analysis of paraffin-embedded Rat muscle using DDR2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rabbit muscle using DDR2 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .