

Mouse Monoclonal Antibody to DDR2

Order Information

Catalog#	20151	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

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 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.

Specification

Aliases : TKT; MIG20a; NTRKR3; TYRO10

Entrez GeneID : 4921

Swissprot : Q16832

clone : 3B11E4

Host/Isotype : Mouse IgG2a

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human

Immunogen : Purified recombinant fragment of human DDR2 expressed in E. Coli.

Formulation : Ascitic fluid containing 0.03% sodium azide.

Application

IHC	1/200 - 1/1000
ICC	1/200 - 1/1000
ELISA	1/10000

References

- Leitinger B. Kwan AP. Matrix Biol. 2006, Aug, 25(6):355-64. Epub 2006 May 26.
- Shyu KG. Chao YM. Wang BW. et al. Hypertension. 2005, Sep, 46(3):614-21. Epub 2005 Aug 8.
- Neale JC. Kenny TP. Gershwin ME. Clin Dev Immunol. 2004, Jun, 11(2):157-63.

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Protocol

WB - www.promab.com/protocol/wb.html






IHC - www.promab.com/protocol/ihc.html

ICC - www.promab.com/protocol/icc.html

HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

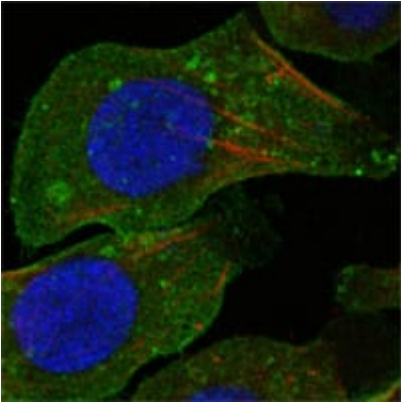
-  Mouse Monoclonal Antibody
-  Rat Monoclonal Antibody
-  Human Antibody
-  Hybridoma Sequencing
-  Polyclonal Antibody

For Research Only

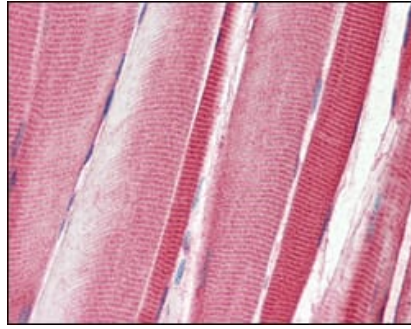
Application Key:WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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Mouse Monoclonal Antibody to DDR2



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.



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

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