

DDR2 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0439
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human DDR2 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, ELISA
Concentration	1 mg/ml
Full name	Discoidin domain-containing receptor 2
Synonyms	DDR2; NTRKR3; TKT; TYRO10; Discoidin domain-containing receptor 2; Discoidin domain receptor 2; CD167 antigen-like family member B; Discoidin domain-containing receptor tyrosine kinase 2; Neurotrophic tyrosine kinase; receptor-related 3; Re

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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 transcr

Recommended Dilution

ELISA: 1:10000

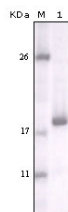
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

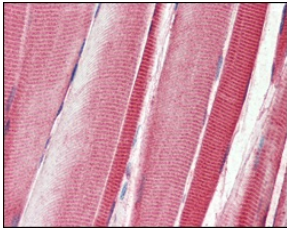
WB: 1:500 - 1:2000

Not yet tested in other applications.

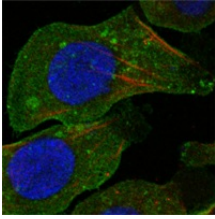
Images



Western Blot analysis using DDR2 Monoclonal antibody against truncated DDR2 recombinant protein.



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissues with AEC staining using DDR2 Monoclonal antibody.



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

Storage

-20°C for one year

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