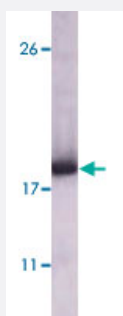


# DDR2 monoclonal antibody, clone 3B11E4

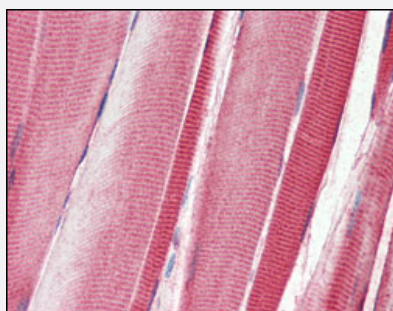
Catalog # MAB10622      Size 100 uL

## Applications



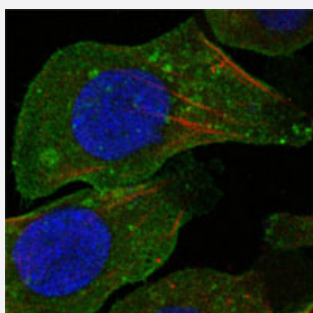
### Western Blot (Recombinant protein)

Western blot analysis using DDR2 monoclonal antibody, clone 3B11E4 (Cat # MAB10622) against truncated DDR2 recombinant protein.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissues using DDR2 monoclonal antibody, clone 3B11E4 (Cat # MAB10622) .



### Immunofluorescence

Confocal immunofluorescence analysis of A-549 cells using DDR2 monoclonal antibody, clone 3B11E4 (Cat # MAB10622) (green) . Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

## Specification

### Product Description

Mouse monoclonal antibody raised against partial recombinant DDR2.

### Immunogen

Recombinant protein corresponding to human DDR2.

Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Recombinant protein)

Western blot analysis using DDR2 monoclonal antibody, clone 3B11E4 (Cat # MAB10622) against truncated DDR2 recombinant protein.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissues using DDR2 monoclonal antibody, clone 3B11E4 (Cat # MAB10622).

- Immunofluorescence

Confocal immunofluorescence analysis of A-549 cells using DDR2 monoclonal antibody, clone 3B11E4 (Cat # MAB10622) (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — DDR2

Entrez GeneID [4921](#)

Gene Name DDR2

Gene Alias	MIG20a, NTRKR3, TKT, TYRO10
Gene Description	discoidin domain receptor tyrosine kinase 2
Omim ID	<a href="#">191311</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	<p>OTTHUMP00000032332 OTTHUMP00000038368 cell migration-inducing protein 20 discoidin domain receptor family, member 2 hydroxyaryl-protein kinase migration-inducing gene 16 protein neurotrophic tyrosine kinase receptor related 3 tyrosylprotein kinase</p>

## Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)