

Mouse anti-Human DDR2 Antibody | anti-DDR2 antibody

DDR2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108476	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

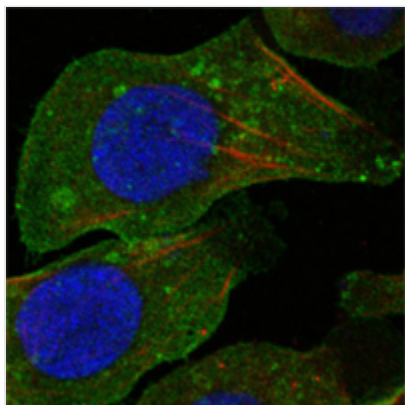
PRODUCT SYNONYMS

DDR2; DDR2 Antibody; TKT; MIG20a; NTRKR3; TYRO10; anti-DDR2 antibody

PRODUCT SPECIFICATIONS

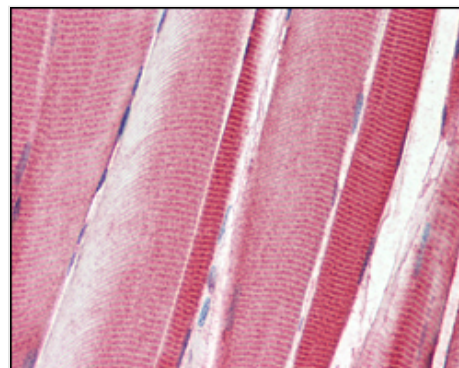
Host	Mouse
Reactivity	Human
Isotype	IgG2a
Clone Number	3B11E4
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	855
Applicable Applications for anti-DDR2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human DDR2 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



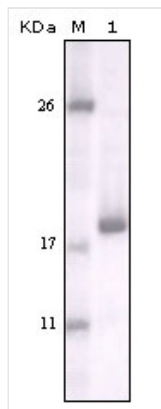
IF (Immunofluorescence)

Figure 3: 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.



IHC (Immunohistochemistry)

Figure 2: Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissues using DDR2 mouse mAb.



WB (Western Blot)

Figure 1: Western blot analysis using DDR2 mouse mAb against truncated DDR2 recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-DDR2 antibody	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.
Product Categories/Family for anti-DDR2 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	62420886
NCBI GeneID	4921
NCBI Accession #	NP_001014796.1
NCBI GenBank Nucleotide #	NM_001014796.2
UniProt Accession #	Q16832 ; Q7Z730
Molecular Weight	96,736 Da
NCBI Official Full Name	discoidin domain-containing receptor 2
NCBI Official Synonym Full Names	discoidin domain receptor tyrosine kinase 2
NCBI Official Symbol	DDR2
NCBI Official Synonym Symbols	TKT; MIG20a; NTRKR3; TYRO10
NCBI Protein Information	discoidin domain-containing receptor 2
UniProt Protein Name	Discoidin domain-containing receptor 2
UniProt Gene Name	DDR2
UniProt Synonym Gene Names	NTRKR3; TKT; TYRO10; Discoidin domain receptor 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/ddr2/108476>