

Product Name: KD-Validated DDR2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01662**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 96.7kDa

Antigen Information

Gene Name	DDR2 DDR2; Discoidin Domain Receptor Tyrosine Kinase 2; TKT; NTRKR3; TYRO10; Discoidin Domain-Containing Receptor Tyrosine Kinase 2; Discoidin Domain Receptor Family, Member 2; Discoidin Domain-Containing Receptor 2; Receptor Protein-Tyrosine Kinase TKT; CD167
Alternative Names	Antigen-Like Family Member B; Tyrosine-Protein Kinase TYRO10; Discoidin Domain Receptor 2; EC 2.7.10.1; Neurotrophic Tyrosine Kinase, Receptor-Related; Neurotrophic Tyrosine Kinase Receptor Related 3; Cell Migration-Inducing Protein 20; Migration-Inducing Gene 16 Protein; Hydroxyaryl-Protein Kinase; CD167b Antigen; EC 2.7.10; MIG20a; WRCN
Gene ID	4921.0
SwissProt ID	Q16832
Immunogen	A synthesized peptide derived from human DDR2

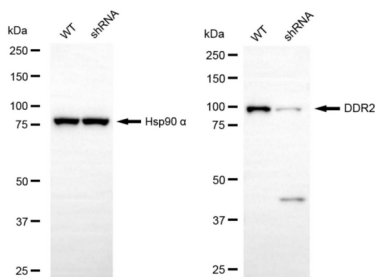
Background

This gene encodes a member of the discoidin domain receptor subclass of the receptor tyrosine kinase (RTKs) protein family. RTKs play a key role in the communication of cells with their microenvironment. The encoded protein is a collagen-induced receptor that activates signal transduction pathways involved in cell adhesion, proliferation, and extracellular matrix remodeling. This protein is expressed in numerous cell types and may also be involved in wound repair and regulate tumor growth and invasiveness. Mutations in this gene are the cause of short limb-hand type spondylometaphyseal dysplasia. [provided by RefSeq, Aug 2017]

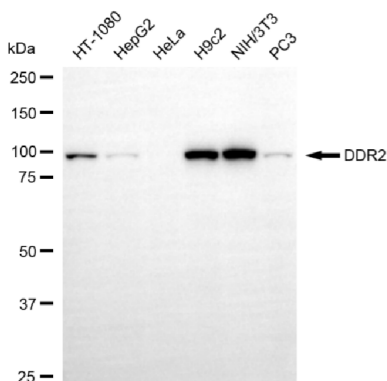
Research Area

Neuroscience, Cardiovascular

Image Data



Western blotting analysis using DDR2 antibody (KVA01662). DDR2 expression in wild-type (WT) and DDR2 shRNA knockdown (KD) C2C12 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DDR2 antibody (KVA01662, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using DDR2 antibody (KVA01662). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DDR2 antibody (KVA01662, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.