

Product datasheet for **TA361057**

DDR2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human DDR2
Specificity:	Expected reactivity: Human, Mouse Homology: Human 100%, Mouse 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	94 kDa
Gene Name:	discoidin domain receptor tyrosine kinase 2
Database Link:	NP_001014796.1 Entrez Gene 4921 Human Q16832



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Background:

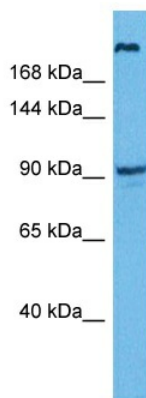
Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation, and metabolism. In several cases the biochemical mechanism by which RTKs transduce signals across the membrane has 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 transcript variants encoding the same protein.

Synonyms:

MIG20a; NTRKR3; TKT; TYRO10

Protein Families:

Druggable Genome, Protein Kinase, Transmembrane

Product images:

Host: Rabbit
Target Name: DDR2
Sample Type: 293T Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: DDR2
Sample Tissue: Human 293T Whole Cell lysates
Antibody Dilution: 1ug/ml