



# Anti-DDR2 (aa 277-377) polyclonal antibody (DPAB-DC2058)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	DDR2 (AAH52998, 277 a.a. ~ 377 a.a) partial recombinant protein with GST tag. The sequence is RIRNFTTMKVHCNNMFAKGVKIFKEVQCYFRSEASEWEPNAISFPLVLDDVNPSARFVTV PLHHRMASAIKCQYHFADTWMMFSEITFQSDAAMYNNSEAL
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DDR2 discoidin domain receptor tyrosine kinase 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DDR2
<b>Synonyms</b>	DDR2; discoidin domain receptor tyrosine kinase 2; TKT; MIG20a; NTRKR3; TYRO10; discoidin domain-containing receptor 2; tyrosylprotein kinase; hydroxyaryl-protein kinase; discoidin domain receptor 2; tyrosine-protein kinase TYRO10; CD167 antigen-like family member B; cell migration-inducing protein 20; migration-inducing gene 16 protein; receptor protein-tyrosine kinase TKT; discoidin domain receptor family, member 2; neurotrophic tyrosine kinase receptor related 3; neurotrophic tyrosine kinase, receptor-related 3; discoidin domain-containing receptor tyrosine kinase 2;
<b>Entrez Gene ID</b>	<a href="#">4921</a>
<b>Protein Refseq</b>	<a href="#">NP_001014796</a>
<b>UniProt ID</b>	<a href="#">A0A024R906</a>
<b>Chromosome Location</b>	1q23.3
<b>Pathway</b>	Endochondral Ossification; Non-integrin membrane-ECM interactions;
<b>Function</b>	ATP binding; collagen binding; protein binding; protein tyrosine kinase collagen receptor activity