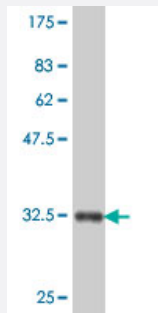


# DDR2 polyclonal antibody (A01)

Catalog # H00004921-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (37.11 KDa) .

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a partial recombinant DDR2.
<b>Immunogen</b>	DDR2 (AAH52998, 277 a.a. ~ 377 a.a) partial recombinant protein with GST tag.
<b>Sequence</b>	RIRNFTTMKVHCNNMFAKGVKIFKEVQCYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHR MASAIKCQYHFADTWMMFSEITFQSDAAMYNSEAL
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (96); Rat (94)
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
<b>Storage Buffer</b>	50 % glycerol
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — DDR2

Entrez GeneID [4921](#)

GeneBank Accession# [BC052998](#)

Protein Accession# [AAH52998](#)

Gene Name DDR2

Gene Alias MIG20a, NTRKR3, TKT, TYRO10

Gene Description discoidin domain receptor tyrosine kinase 2

Omim ID [191311](#)

Gene Ontology [Hyperlink](#)

### Gene Summary

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]

### Other Designations

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

## Disease

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

- [Tobacco Use Disorder](#)