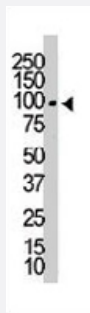


# DDR2 polyclonal antibody

Catalog # PAB3404

Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of DDR2 polyclonal antibody (Cat # PAB3404) in HL-60 cell lysate. DDR2 (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of DDR2.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to amino acids 304-320 of human DDR2.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification
<b>Recommend Usage</b>	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — DDR2

Entrez GeneID [4921](#)

Protein Accession# [Q16832](#)

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

## Publication Reference

- [The discoidin domain receptor tyrosine kinases are activated by collagen.](#)

Vogel W, Gish GD, Alves F, Pawson T.

Molecular Cell 1997 Dec; 1(1):13.

Application: WB-Ce, WB-Tr, Human, HEK 293, T47D cells

- [Mapping of the NEP receptor tyrosine kinase gene to human chromosome 6p21.3 and mouse chromosome 17C.](#)

Edelhoff S, Sweetser DA, Disteché CM.

Genomics 1995 Jan; 25(1):309.

Application: IHC, WB-Ti, Mouse, Mouse embryos

- [Structure, expression and chromosomal mapping of TKT from man and mouse: a new subclass of receptor tyrosine kinases with a factor VIII-like domain.](#)

Karn T, Holtrich U, Brauning A, Bohme B, Wolf G, Rubsamen-Waigmann H, Strebhardt K.

Oncogene 1993 Dec; 8(12):3433.

## Disease

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