

DNAxPAb

Hard-to-Find
Antibody

DDR1 DNAxPab

Catalog # H00000780-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DDR1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGPEALSSLLLLLLVASGDADMKGHFDPAKCRYALGMQDRTIPDSDISASSSWSDSTAARHSRL ESSDGDGAWCPAGSVFPKEEEYLQVDLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGR RWMGWKDRWGQEVISGNEDPEGVVLKDLGPPMVARLVRFYPRADRVMSVCLRVELYGCLWR DGLLSYTAPVGQTMYLEAVYLNDSTYDGHTVGGLQYGGLGQLADGVVGLDDFRKSQELRVWP GYDYVGSNHSFSSGYVEMEFEDRLRAFQAMQVHCNNMHTLGARLPGGVECRFRRGPMAMAW EGEPMRHNLGGNLGDPRARAVSVPLGGRVARFLQCRFLFAGPWLLFSEISFISDVVNNSSPALG GTFPPAPWWPPGPPPTNFSSLELEPRGQQPVAKAEGSPTAILIGCLVAIIIIIIIALMLWRLHWR RLLSKAERRVLEEELTVHLSVPGDTILNNRPGPREPPPYQEPRPRGNPPHSAPCPVNGSAYS YMEPEKPGAPLLPPPPQNSVPHYAEADIVTLQGVTTGGNTYAVPALPPGAVGDGPPRVDFPR RFKEKLGEQGFGEVHLCEVDSPQDLVSLDFPLNVRKGHPLLVAVKILRPDATKNARNDFLKEVKI MSRLKDPNIIRLLGVCVQDDPLCMITDYMENGDNLNQFLSAHQLEDKAAEGAPGDGQAAQGPTISY PMLLHVAQAISGMRYLATLNFVHRDLATRNCLVGENFTIKIADFGMSRNLAYAGDYRVQGRAVLPI RWMAWECILMGKFTTASDVWAFGVTLWEVLMLCRAQPFQQLTDEQVIENAGEFFRDQGRQVYL SRPPACPQGLYELMLRCWSRESEQRPPFSQLHRFLAEDALNTV
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — DDR1

Entrez GeneID [780](#)

GeneBank Accession# [NM_001954.3](#)

Protein Accession# [NP_001945.3](#)

Gene Name DDR1

Gene Alias CAK, CD167, DDR, EDDR1, MCK10, NEP, NTRK4, PTK3, PTK3A, RTK6, TRKE

Gene Description discoidin domain receptor tyrosine kinase 1

Omim ID [600408](#)

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. The protein encoded by this gene is a RTK that is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. This protein belongs to a subfamily of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein discoidin I in their extracellular domain. Its autophosphorylation is achieved by all collagens so far tested (type I to type VI). In situ studies and Northern-blot analysis showed that expression of this encoded protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, this protein is significantly over-expressed in several human tumors from breast, ovarian, esophageal, and pediatric brain. This gene is located on chromosome 6p21.3 in proximity to several HLA class I genes. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq]

Other Designations

OTTHUMP00000029343|OTTHUMP00000029344|OTTHUMP00000029345|OTTHUMP00000029346|OTTHUMP00000029347|PTK3A protein tyrosine kinase 3A|cell adhesion kinase|discoidin domain receptor DDR1d|discoidin domain receptor family, member 1|discoidin receptor tyrosine kinase

Disease

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