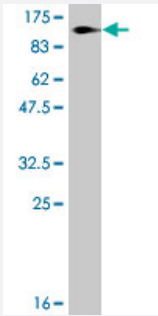


DDR1 polyclonal antibody (A01)

Catalog # H00000780-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (120.16 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a full-length recombinant DDR1.
Immunogen	DDR1 (AAH08716.1, 22 a.a. ~ 876 a.a) full-length recombinant protein with GST tag.
Sequence	MKGHFDPAKCRYALGMQDRTIPDSDISASSSWSDSTAARHSRLESSDGDGAWCPAGSVFPKEE EYLQVDLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRRWMGWKDRWGQEVISGNE PEGVVLKDLGPPMVARLVRFYPRADRVMSVCLRVELYGCLWRDGLLSYTAPVGQTMYLSEAVYL NDSTYDGHTVGGLQYGGLGQLADGVVGLDDFRKSQELRVWPGYDYVGSNHSFSSGYVEMEF EFDRLRAFQAMQVHCNNMHTLGARLPGGVECFRRGPAMAWEGEPMRHNLGGNLGDPRARA VSVPLGGRVARFLQCRFLFAGPWLLFSEISFISDVVNNSSPALGGTFPPAPWWPPGPPPTNFSS LELEPRGQQPVAKAEGSPTAILIGCLVAIILLLLIALMLWRLHWRRLLSKAERRVLEEELTVHLSVP GDTILINNRPGPREPPPYQEPRPRGNPPHSAPCVPNGSAYS GDYMEPEKPGAPLLPPPPQNSVP HYAEADIVTLQGVTGGNTYAVPALPPGAVGDGPPRVDFPRSRLRFKEKLGEQQFGEVHLCEVDS PQDLVSLDFPLNVRKGHPLL VAVKILRPDATKNARNDFLKEVKIMSRLKDPNIIRLLGVCVQDDPL CMITDYMENGDLNQFLSAHQLEDKAAEGAPGDGQAAQGPTISYPMLLHVAAQIASGMRYLATLNF VHRDLATRNLVGENFTIKIADFGMSRNLYAGDYRVVQGRAVLPIRWMAWECILMGKFTTASDVW AFGVTLWEVLMLCRAQPFQQLTDEQVIENAGEFFRDQGRQVYLSRPPACPQGLYELMLRCWSR ESEQRPPFSQLHRFLAEDALNTV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (120.16 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

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

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — DDR1

Entrez GeneID

[780](#)

GeneBank Accession#

[BC008716](#)

Protein Accession#

[AAH08716.1](#)

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

Publication Reference

- [Novel markers for differentiation of lobular and ductal invasive breast carcinomas by laser microdissection and microarray analysis.](#)

Turashvili G, Bouchal J, Baumforth K, Wei W, Dziechciarkova M, Ehrmann J, Klein J, Fridman E, Skarda J, Srovnal J, Hajdich M, Murray P, Kolar Z.

BMC Cancer 2007 Mar; 7:55.

Application: IHC-P, Human, Human lobular and ductal invasive breast carcinomas

Disease

- [Abortion](#)
- [Arthritis](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Schizophrenia](#)
- [Vitiligo](#)