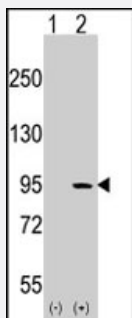


DDR1 polyclonal antibody

Catalog # PAB2869

Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of DDR1 polyclonal antibody (Cat # PAB2869). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DDR1 gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of DDR1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human DDR1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of DDR1 polyclonal antibody (Cat # PAB2869). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DDR1 gene (Lane 2) (Origene Technologies).

Gene Info — DDR1

Entrez GeneID [780](#)

Protein Accession# [NP_054699:Q08345](#)

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 kin

Publication Reference

- [A unique and potent protein binding nature of liposome containing polyethylenimine and polyethylene glycol: a nondisplaceable property.](#)

Liu YK, Lin YL, Chen CH, Lin CM, Ma KL, Chou FH, Tsai JS, Lin HY, Chen FR, Cheng TL, Chang CC, Liao KW.

Biotechnology and Bioengineering 2011 Jun; 108(6):1318.

Application: Flow Cyt, Mouse, B16 melanoma, Balb/3T3 cells

- [Receptor protein tyrosine kinase DDR is up-regulated by p53 protein.](#)

Sakuma S, Saya H, Tada M, Nakao M, Fujiwara T, Roth JA, Sawamura Y, Shinohe Y, Abe H.

FEBS Letters 1996 Dec; 398(2-3):165.

- [A receptor tyrosine kinase found in breast carcinoma cells has an extracellular discoidin I-like domain.](#)

Johnson JD, Edman JC, Rutter WJ.

PNAS 1993 Jun; 90(12):5677.

Application: WB-Tr, Human, COS-7, T-47D cells

Disease

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