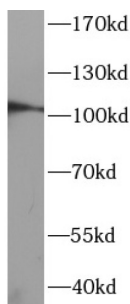
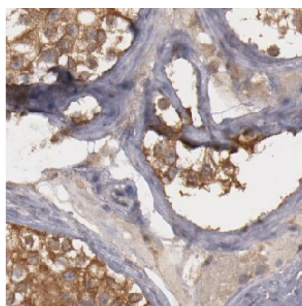


Epithelial Discoidin Domain-Containing Receptor 1 (DDR1) Antibody

Catalogue No.: abx146917



WB analysis of U87MG cells, using DDR1 antibody (1/1000 dilution).



IHC-P analysis of rat testis tissue, using DDR1 antibody (1/200 dilution).

Epithelial Discoidin Domain-Containing Receptor 1 (DDR1) Antibody is a Rabbit Polyclonal antibody for the detection of DDR1.

Tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates cell attachment to the extracellular matrix, remodeling of the extracellular matrix, cell migration, differentiation, survival and cell proliferation. Collagen binding triggers a signaling pathway that involves SRC and leads to the activation of MAP kinases. Regulates remodeling of the extracellular matrix by up-regulation of the matrix metalloproteinases MMP2, MMP7 and MMP9, and thereby facilitates cell migration and wound healing. Required for normal blastocyst implantation during pregnancy, for normal mammary gland differentiation and normal lactation. Required for normal ear morphology and normal hearing (By similarity). Promotes smooth muscle cell migration, and thereby contributes to arterial wound healing. Also plays a role in tumor cell invasion. Phosphorylates PTPN11.

Target: Epithelial Discoidin Domain-Containing Receptor 1 (DDR1)

Clonality: Polyclonal

Reactivity: Human, Rat

Tested Applications: ELISA, WB, IHC

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/50 - 1/500. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Datasheet

Version: 2.0.0
Revision date: 05 Apr 2025



Immunogen:	discoidin domain receptor tyrosine kinase 1
Isotype:	IgG
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)
Purification:	Purified by immunogen affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	Q08345 (UniProt , ExPASy)
Gene Symbol:	DDR1
GeneID:	780
OMIM:	600408
HGNC:	2730
Ensembl:	ENSG00000137332
Molecular Weight:	Observed MW: 101 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.