

## anti- DDR1 antibody

### Product Information

Catalog No.:	FNab10051
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

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.

### Immunogen information

Immunogen:	discoidin domain receptor tyrosine kinase 1
Synonyms:	CAK, EDDR1, NEP, NTRK4, PTK3A, RTK6, TRKE
Observed MW:	101 kDa
Uniprot ID :	Q08345

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[www.fn-test.com](http://www.fn-test.com)

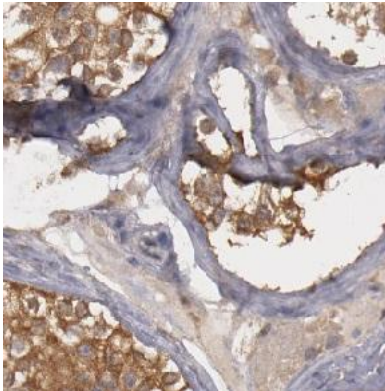
## Application

Reactivity: Human,Rat

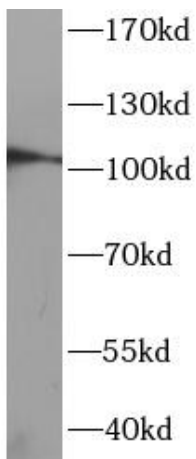
Tested Application: ELISA, WB, IHC

Recommended dilution:WB: 1:500-1:2000; IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded rat testis tissue slide using FNab10051( DDR1 Antibody) at dilution of 1:200



U87MG cells were subjected to SDS PAGE followed by western blot with FNab10051(DDR1 antibody) at dilution of 1:1000.

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