

## Anti-DDR1 Antibody (9U421)

## Product Details

Ig Type:	Human IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9U421
Purification:	Affinity-chromatography

## Applications

Verified Activity:	The Binding Activity of Human DDR1 with Anti-DDR1 Recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human DDR1 at 2 µg/mL can bind Anti-DDR1 recombinant antibody, the EC50 is 2.824-3.810 ng/mL.
Application:	ELISA

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human DDR1 Protein
Antigen Species:	Human
Gene ID:	780
Uniprot ID:	Q08345
Synonyms:	NEP;CAK;DDR;HGK2;RTK6;MCK10;discoidin domain receptor tyrosine kinase 1;PTK3;PTK3A;TRKE;NTRK4;CD167;EDDR1
Biology Area:	Immunology

## Research 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. Promotes smooth muscle cell migration, and thereby contributes to arterial wound healing. Also plays a role in tumor cell invasion. Phosphorylates PTPN11.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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