

Datasheet for ABIN7180003  
**anti-DDR1 antibody (Tyr796)**



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1 Image

## Overview

Quantity:	100 µL
Target:	DDR1
Binding Specificity:	Tyr796
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human DDR1 around the phosphorylation site of tyrosine 796.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

## Target Details

Target:	DDR1
Alternative Name:	DDR1 ( <a href="#">DDR1 Products</a> )

## Target Details

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**Background:** 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.

di Marco E., J. Biol. Chem. 268:24290-24295(1993).

Johnson J.D., Proc. Natl. Acad. Sci. U.S.A. 90:5677-5681(1993).

**Aliases:** CAK antibody, CD 167 antibody, CD167 antibody, CD167 antigen-like family member A antibody, CD167a antibody, Cell adhesion kinase antibody, DDR 1 antibody, DDR antibody, DDR1 antibody, DDR1\_HUMAN antibody, Discoidin domain receptor antibody, Discoidin domain receptor tyrosine kinase 1 antibody, Discoidin receptor tyrosine kinase antibody, Discoidin receptor tyrosine kinase isoform a antibody, EDDR 1 antibody, EDDR1 antibody, Epithelial discoidin domain receptor 1 antibody, Epithelial discoidin domain-containing receptor 1 antibody, Epithelial specific receptor kinase antibody, HGK2 antibody, Mammarian carcinoma kinase 10 antibody, Mammary carcinoma kinase 10 antibody, MCK-10 antibody, MCK10 antibody, NEP antibody, Neuroepithelial tyrosine kinase antibody, Neurotrophic tyrosine kinase receptor type 4 antibody, NTRK 4 antibody, NTRK4 antibody, OTTHUMP00000029343 antibody, OTTHUMP00000029344 antibody, OTTHUMP00000029345 antibody, OTTHUMP00000029346 antibody, OTTHUMP00000029347 antibody, OTTHUMP00000164863 antibody, OTTHUMP00000164867 antibody, OTTHUMP00000222080 antibody, Protein-tyrosine kinase 3A antibody, Protein-tyrosine kinase RTK-6 antibody, PTK 3 antibody, PTK 3A protein tyrosine kinase 3A antibody, PTK3 antibody, PTK3A antibody, Receptor tyrosine kinase NEP antibody, RTK 6 antibody, RTK6 antibody, TRK E antibody, TRKE antibody, Tyrosine kinase DDR antibody, Tyrosine kinase receptor E antibody, Tyrosine-protein kinase CAK antibody

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**UniProt:** [Q08345](#)

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**Pathways:** [RTK Signaling, Smooth Muscle Cell Migration](#)

## Application Details

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

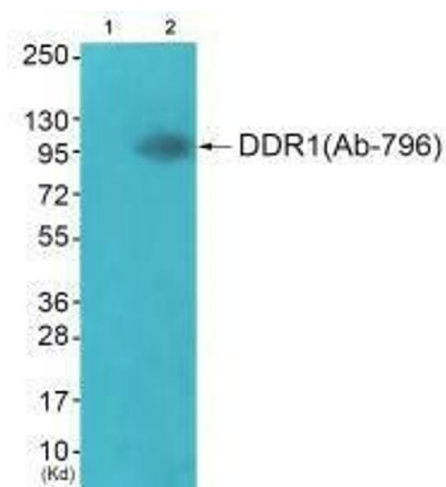
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts from JK cells (Lane 2), using DDR1 (Ab-796) antibody. The lane on the left is treated with synthesized peptide.