

Datasheet for ABIN7266789
anti-DDR1 antibody (pTyr792)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	DDR1
Binding Specificity:	pTyr792
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-DDR1-Y792 Rabbit pAb
Immunogen:	A phospho synthetic peptide corresponding to residues surrounding Y792 of human DDR1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	DDR1
Alternative	DDR1 (DDR1 Products)

Target Details

Name:

Background: Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors that share homology with Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. The expression is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [PubMed: 12112011],CAK,CD167,DDR,EDDR1,HGK2,MCK10,NEP,NTRK4,PTK3,PTK3A,RTK6,TRKE,DDR1,Cancer,Cardiovascular,CDs,Heart Failure,Immunology,Immunology & Inflammation,Kinase,Kinase_Tyrosine kinases,Neuroscience,Protein phosphorylation,Signal Transduction,DDR1

Molecular Weight: 27kDa/97kDa/99kDa/101kDa

Weight:

Gene ID: 780

UniProt: [Q08345](#)

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

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

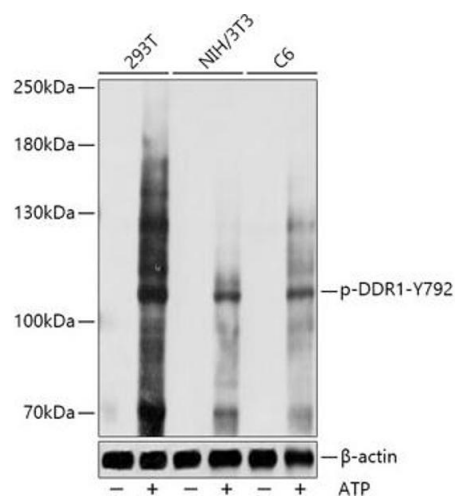
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Phospho-DDR1-Y792 antibody (ABIN7266789) at 1:1000 dilution. 293T cells were treated by ATP(5 mM) at 30 °C for 1 hour. NIH/3T3 cells were treated by ATP(5 mM) at 30 °C for 1 hour. C6 cells were treated by ATP(5 mM) at 30 °C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.