

Datasheet for ABIN7251427
anti-DDR1 antibody (pTyr513)



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1 Image

Overview

Quantity:	200 µL
Target:	DDR1
Binding Specificity:	pTyr513
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized phospho derived from human DDR1 (Phospho-Tyr513)
Isotype:	IgG
Characteristics:	Phosphorylated antibody
Purification:	Affinity purification

Target Details

Target:	DDR1
Alternative Name:	DDR1 (DDR1 Products)
Background:	Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation

Target Details

and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. DDR1 (Discoidin Domain Receptor Tyrosine Kinase 1) is a Protein Coding gene. Diseases associated with DDR1 include Pulmonary Fibrosis, Idiopathic and Breast Cancer. Among its related pathways are GPCR Pathway and Nanog in Mammalian ESC Pluripotency. GO annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is DDR2.

Molecular Weight: 130 kDa

UniProt: [Q08345](#)

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

Application Details

Application Notes: WB 1:500-2000, ELISA 1:10000-20000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

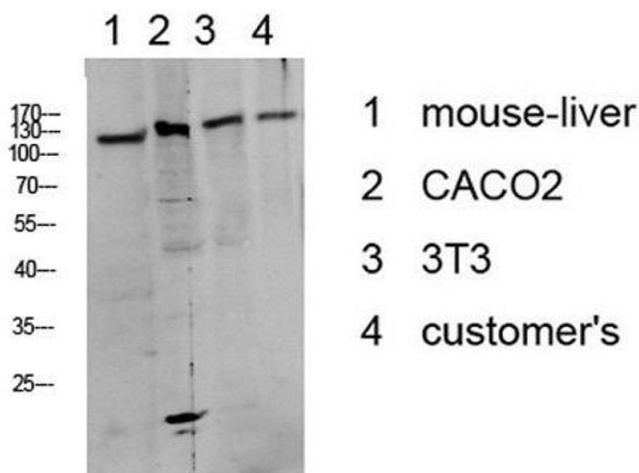
Buffer: PBS with 0.02 % sodium azide, 0.5 % BSA and 50 % glycerol, pH 7.4

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 various cells using Phospho-DDR1 (Tyr513) Polyclonal Antibody at dilution of 1:1000.