

Datasheet for ABIN1532104
anti-DDR1 antibody (pTyr513)



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2 Images

Overview

Quantity:	100 µL
Target:	DDR1
Binding Specificity:	AA 479-528, pTyr513
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human DDR1 around the phosphorylation site of Tyr513.
Isotype:	IgG
Specificity:	DDR1 (Phospho-Tyr513) Antibody detects endogenous levels of DDR1 only when phosphorylated at Tyr513. PhosphorylationH:Y513 M:Y511 R:Y510
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

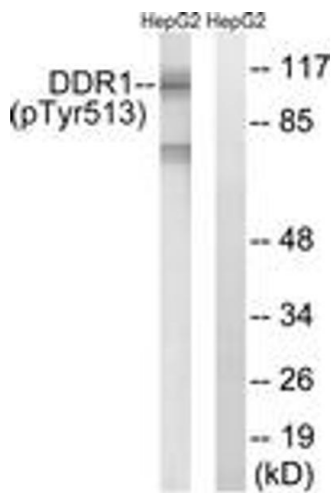
Target:	DDR1
Alternative Name:	DDR1 (DDR1 Products)
Background:	Synonyms: CAK, CD167a antigen, Cell adhesion kinase, Discoidin receptor tyrosine kinase, EDDR1, Epithelial discoidin domain receptor 1 precursor, HGK2, Protein-tyrosine kinase RTK 6, RTK6, TRK E, TRKE, Tyrosine kinase DDR, Tyrosine- protein kinase CAK NCBI Gene Symbol: DDR1
Molecular Weight:	101 kDa
Gene ID:	780
OMIM:	600408
UniProt:	Q08345
Pathways:	RTK Signaling , Smooth Muscle Cell Migration

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Comment:	Unigene-Number: Hs.631988 (NCBI Gene Symbol: DDR1)
Restrictions:	For Research Use only

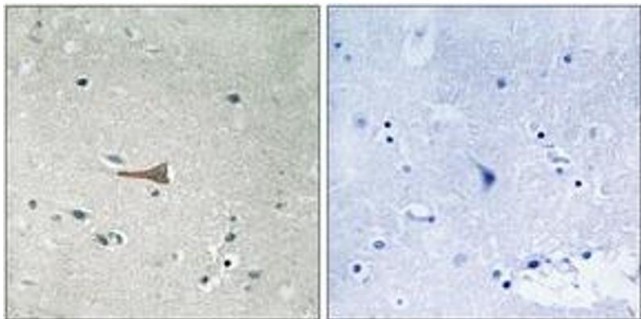
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), 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
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts from HepG2 cells treated with Na3VO4 0.3mM 40', using DDR1 (Phospho-Tyr513) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain, using DDR1 (Phospho-Tyr513) Antibody. The picture on the right is treated with the synthesized peptide.