BT LAB
Bioassay Technology Laboratory
Optimize Your Research

DDR1(Phospho Tyr513) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15201
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human DDR1 around the phosphorylation site of Tyr513. AA range:479-528
Mol wt	101128
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Epithelial discoidin domain-containing receptor 1
Synonyms	Epithelial discoidin domain-containing receptor 1; DDR1; CAK; EDDR1; NEP; NTRK4; PTK3A; RTK6; TRKE; Epithelial discoidin domain-containing receptor 1; Epithelial discoidin domain receptor 1; CD167 antigen-like family member A; Cell adhesion kinase; Discoidin receptor tyrosine kinase; HGK2;

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 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.

Recommended Dilution

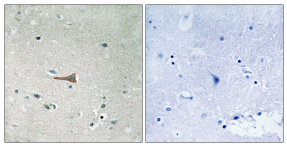
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

ELISA: 1: 10000

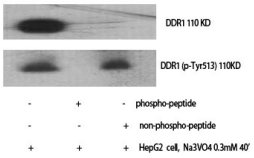
Not yet tested in other applications.

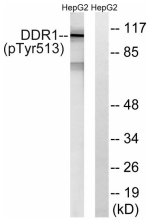
Images



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

Western Blot analysis of various cells using Phospho-DDR1 (Y513) Polyclonal Antibody





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

Storage

-20°C for 1 year

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