

DDR1 Antibody | anti-DDR1 antibody

DDR1 (Phospho-Tyr513) Antibody

CATALOG # AAA109596	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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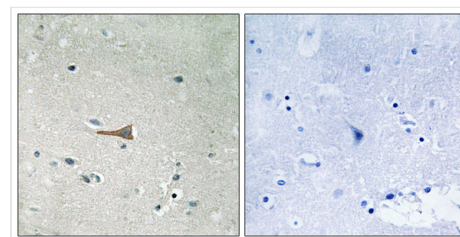
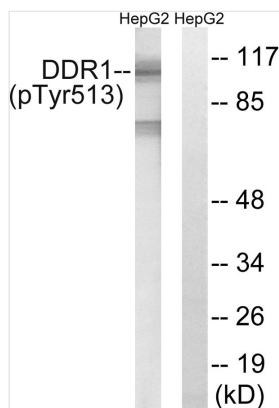
PRODUCT SYNONYMS

DDR1; DDR1 (Phospho-Tyr513) Antibody; CAK; CD167a antigen; Cell adhesion kinase; Discoidin receptor tyrosine kinase; EC 2.7.1.112; EC 2.7.10.1; EDDR1; Epithelial discoidin domain receptor 1 precursor; HGK2; Protein-tyrosine kinase RTK 6; RTK6; TRK E; TRKE; Tyrosine kinase DDR; Tyrosine-protein kinase CAK; anti-DDR1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	DDR1 (Phospho-Tyr513) antibody detects endogenous levels of DDR1 only when phosphorylated at tyrosine 513.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	508
Applicable Applications for anti-DDR1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human DDR1 around the phosphorylation site of tyrosine 513 (P-A-YP-R-L).
All Sites	Human: Tyr513 Mouse: Tyr511 Rat: Tyr510
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using DDR1 (Phospho-Tyr513) antibody. Western blot analysis of extracts from HepG2 cells, treated with Na₃VO₄ (0.3mM, 40mins), using DDR1 (Phospho-Tyr513) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-DDR1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	di Marco E., J. Biol. Chem. 268:24290-24295(1993). Johnson J.D., Proc. Natl. Acad. Sci. U.S.A. 90:5677-5681(1993). Laval S., Cell Growth Differ. 5:1173-1183(1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	321400059
NCBI GeneID	780
NCBI Accession #	NP_001189450.1
NCBI GenBank Nucleotide #	NM_001202521.1
UniProt Accession #	Q08345; Q14196; Q16562; Q2L6H3; Q4LE50; Q5ST11; Q5ST12; Q6NSK4; Q9UD35; B5A975; B5A976; B7Z2K0
Molecular Weight	99,064 Da
NCBI Official Full Name	epithelial discoidin domain-containing receptor 1 isoform 4
NCBI Official Synonym Full Names	discoidin domain receptor tyrosine kinase 1
NCBI Official Symbol	DDR1
NCBI Official Synonym Symbols	CAK; DDR; NEP; HGK2; PTK3; RTK6; TRKE; CD167; EDDR1; MCK10; NTRK4; PTK3A
NCBI Protein Information	epithelial discoidin domain-containing receptor 1
UniProt Protein Name	Epithelial discoidin domain-containing receptor 1
UniProt Gene Name	DDR1
UniProt Synonym Gene Names	CAK; EDDR1; NEP; NTRK4; PTK3A; RTK6; TRKE; Epithelial discoidin domain receptor 1; MCK-10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.