DDR1 (Phospho-Tyr513) Antibody

Catalog No: #11770

Package Size: #11770-1 50ul #11770-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

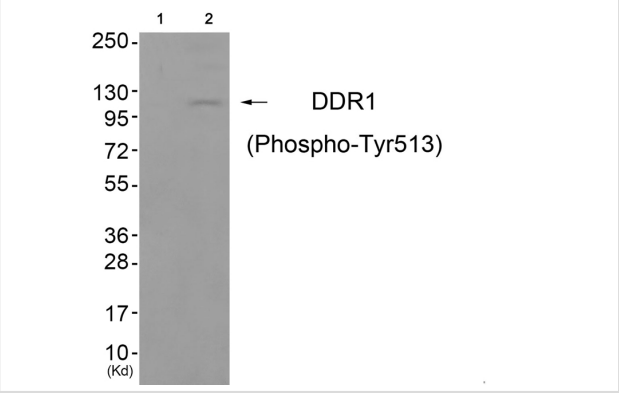
Product Name	DDR1 (Phospho-Tyr513) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of DDR1 only when phosphorylated at tyrosine 513.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 513 (K-K-Y(p)-V-R) derived from Human DDR1 .
Target Name	DDR1
Modification	Phospho
Other Names	CAK; RTK6; TRKE; EDDR1;
Accession No.	Swiss-Prot#: Q08345; NCBI Gene#: 780; NCBI Protein#: NP_001189450.1.
SDS-PAGE MW	110kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

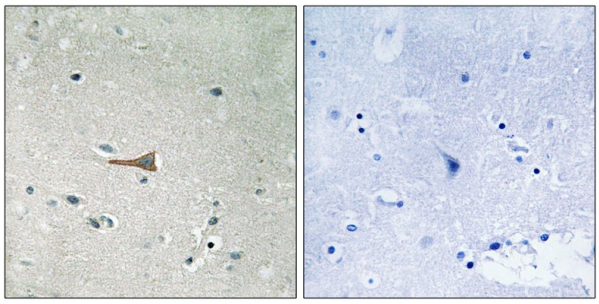
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from JK cells (Lane 2), using DDR1 (Phospho-Tyr513) Antibody #11770. The lane on the left is treated with antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human brain tissue using DDR1 (Phospho-Tyr513) antibody #11770 (left)or the same antibody preincubated with blocking peptide (right).

Background

Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene is a RTK that is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. This protein belongs to a subfamily of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein discoidin I in their extracellular domain. Its autophosphorylation is achieved by all collagens so far tested (type I to type VI).

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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.