

Anti- DDR1 (Phospho-Tyr513) Polyclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
A100301-01	50 µl
A100301-02	100 µl

Specificity	Anti- DDR1 (Phospho-Tyr513) (human mouse rat)
Source	Rabbit Polyclonal
Application	WB ELISA IHC
Form	Liquid, 1 mg/ml

Product

Swiss-Prot No.: Q08345

Other Names: 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

Specificity and Sensitivity

DDR1 (Phospho-Tyr513) antibody detects endogenous levels of DDR1 only when phosphorylated at tyrosine 513.

Source and Purification

The antiserum was produced against synthesized phosphopeptide derived from human DDR1 around the phosphorylation site of tyrosine 513 (P-A-Y^P-R-L).

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:500~1:3000 IHC: 1:50~1:100 ELISA: 1:10000

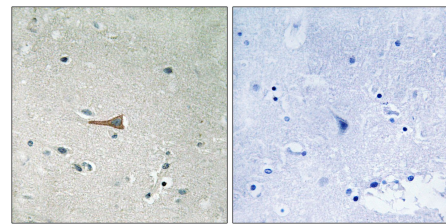
Storage Buffer

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instructions

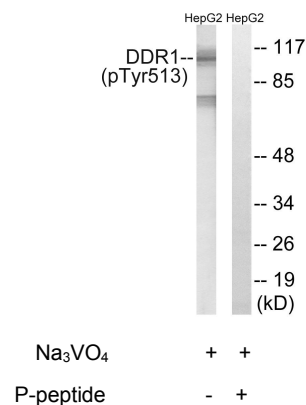
Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



P-peptide - +

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.