

Datasheet for ABIN879805

anti-DDR1 antibody (pTyr513) (AbBy Fluor® 647)



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Overview

Quantity:	100 µL
Target:	DDR1
Binding Specificity:	pTyr513
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR1 antibody is conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MCK10 around the phosphorylation site of Tyr513
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	DDR1
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Target Details

Alternative Name:	MCK10 (DDR1 Products)
Background:	Synonyms: MCK10 phospho Y513, p-MCK10 phospho Y513, CAK, CD167a, DDR1CD 167, CD167, Cell adhesion kinase, DDR 1, DDR, DDR1, Discoidin domain receptor, Discoidin receptor tyrosine kinase isoform a, EDDR 1, Epithelial discoidin domain receptor 1, Epithelial specic receptor kinase, Mammarian carcinoma kinase 10, Neuroepithelial tyrosine kinase, Neurotrophic tyrosine kinase receptor type 4, NTRK 4, PTK 3, PTK 3A protein tyrosine kinase 3A, Receptor tyrosine kinase NEP, RTK 6, TRK E, Tyrosine kinase receptor E, DDR1_HUMAN. 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). In situ studies and Northern-blot analysis showed that expression of this encoded protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, this protein is significantly over-expressed in several human tumors from breast, ovarian, esophageal, and pediatric brain. This gene is located on chromosome 6p21.3 in proximity to several HLA class I genes. Alternative splicing of this gene results in multiple transcript variants.
Gene ID:	780
UniProt:	Q08345
Pathways:	RTK Signaling, Smooth Muscle Cell Migration

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL

Handling

Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months