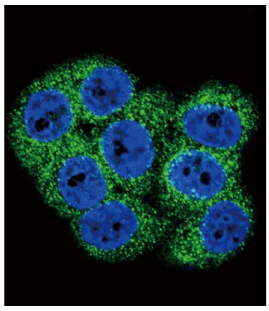
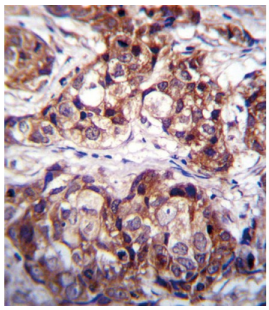
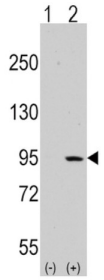
Epithelial Discoidin Domain-Containing Receptor 1 (DDR1) Antibody

Catalogue No.:abx033305







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. DDR1 is an RTK that is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. It 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 show that expression of DDR1 is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it is significantly over-expressed in several human tumors from breast, ovarian, esophageal, and pediatric brain.

Target:	Epithelial Discoidin Domain-Containing Receptor 1 (DDR1)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB, IHC, IF/ICC, FCM

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Host:	Rabbit
Recommended dilutions:	WB: 1/500, IHC-P: 1/100, IF/ICC: 1/10 - 1/50, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 299-330 amino acids from the Central region of human DDR1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified Rabbit Polyclonal Antibody.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q08345 (UniProt, ExPASy)
NCBI Accession:	NP_001189450.1, NP_001189451.1, NP_001189452.1, NP_001945.3, NP_054699.2, NP_054700.2
Molecular Weight:	Calculated MW: 101 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	This product is for research use only.

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