

For Research Use Only

DDR1 Polyclonal antibody

Catalog Number: 10536-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

10536-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0794

GenBank Accession Number:

BC008716

GeneID (NCBI):

780

UNIPROT ID:

Q08345

Full Name:

discoidin domain receptor tyrosine kinase 1

Calculated MW:

97 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:250-1:1000

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

IHC, IF, CoIP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

IHC : human colon cancer tissue, human kidney tissue, human testis tissue, human stomach tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DDR1, or Discoidin Domain Receptor 1, is a member of the receptor tyrosine kinase (RTK) family, which plays a significant role in various cellular processes including cell proliferation, adhesion, migration, and extracellular matrix (ECM) remodeling. DDR1 is known for its unique discoidin domain that allows it to bind specifically to certain collagens, initiating downstream signaling pathways that can lead to cell transformation and tumor progression. Abnormal activation of DDR1 is closely associated with the development of various solid tumors, and it has been shown that DDR1 can prevent immune cells from infiltrating triple-negative breast cancer (TNBC) and eliminate tumor cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Jin Wang	35386458	Bioact Mater	IHC,IF
Guangyao Liu	36584745	Exp Cell Res	
Yanmiao Huo	26297342	J Exp Clin Cancer Res	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

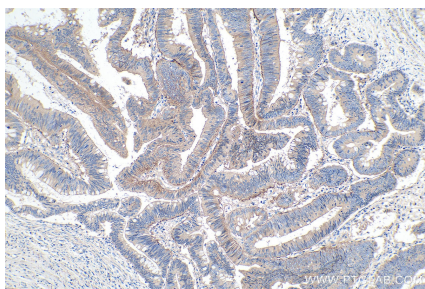
For technical support and original validation data for this product please contact:

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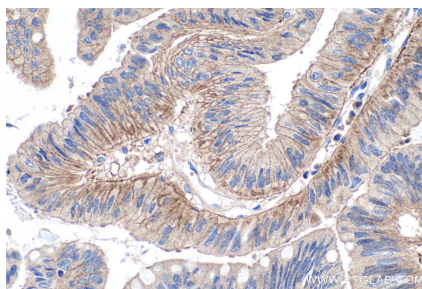
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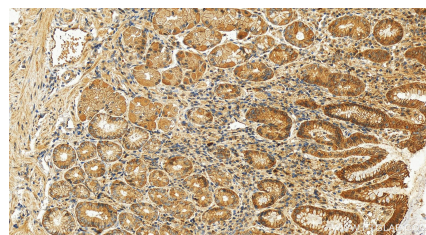
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10536-1-AP (DDR1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10536-1-AP (DDR1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 10536-1-AP (DDR1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).