

For Research Use Only

Cytokeratin 19 Recombinant antibody

Catalog Number: 86250-1-RR



Basic Information

Catalog Number:

86250-1-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC002539

GeneID (NCBI):

3880

UNIPROT ID:

P08727

Full Name:

keratin 19

Calculated MW:

44 kDa

Observed MW:

44 kDa

Purification Method:

Protein A purification

CloneNo.:

250894B1

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:1000-1:4000

IF/ICC: 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

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

Positive Controls:

WB: T-47D cells, A549 cells, SW480 cells, SK-BR-3 cells, MCF-7 cells, HepG2 cells, HT-29 cells

IHC: human colon tissue, human breast cancer tissue, human skin tissue, human stomach cancer tissue

IF/ICC: MCF-7 cells,

Background Information

Cytokeratin 19 (CK19 or KRT19) is a type I (acidic) cytokeratin. It is an intermediate filament protein providing structural rigidity and multipurpose scaffolds in epithelial cells. CK19 is often overexpressed in various cancers (e.g., hepatocellular carcinoma [HCC], pancreatic adenocarcinoma, lung cancer) and serves as a biomarker for hepatic progenitor cells (HPCs) associated with poor prognosis in HCC patients. Additionally, CK19 expression is common in pancreatic and gastrointestinal adenocarcinomas and has been studied as a potential diagnostic and prognostic marker for pancreatic neuroendocrine tumors (PNETs), where positive CK19 expression correlates with poor prognosis. Serum CK19 fragments (e.g., CYFRA 21-1, CK19-2G2) have been investigated as tumor markers for lung and breast cancer, with preoperative levels associated with metastasis and survival.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

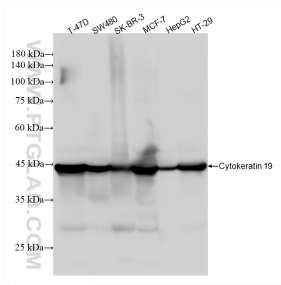
T: 4006900926

E: Proteintech-CN@ptglab.com

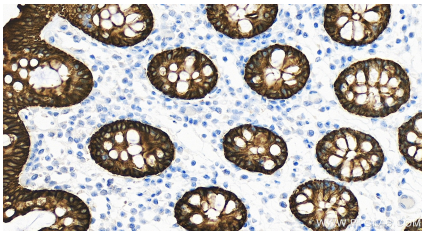
W: ptgcn.com

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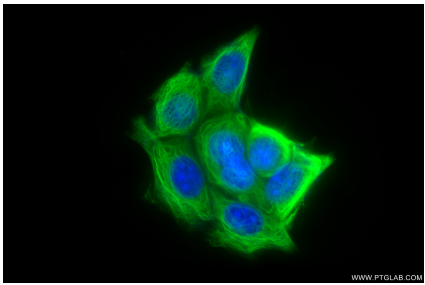
Selected Validation Data



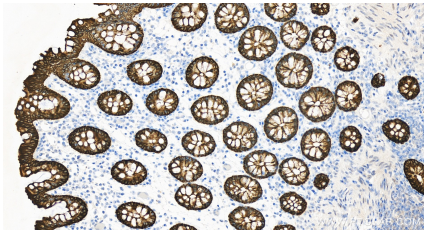
Various lysates were subjected to SDS PAGE followed by western blot with 86250-1-RR (Cytokeratin 19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 86250-1-RR (Cytokeratin 19 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using Cytokeratin 19 antibody (86250-1-RR, Clone: 250894B1) at dilution of 1:2000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 86250-1-RR (Cytokeratin 19 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).