

For Research Use Only

Cytokeratin 20 Recombinant antibody

Catalog Number: 82428-1-RR



Basic Information

Catalog Number: 82428-1-RR	GenBank Accession Number: BC031559	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 54474	CloneNo.: 2H10
Source: Rabbit	UNIPROT ID: P35900	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:3000-1:12000 IF/ICC 1:500-1:2000
Isotype: IgG	Full Name: keratin 20	
Immunogen Catalog Number: AG11308	Calculated MW: 424 aa, 48 kDa Observed MW: 46 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : HT-29 cells, COLO 320 cells, pig colon tissue, mouse colon tissue, rat colon tissue IHC : human colon cancer tissue, human appendicitis tissue, human colon tissue, human urothelial carcinoma tissue IF/ICC : HT-29 cells,
Species Specificity: human, mouse, rat, pig	
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

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. Keratin 20 is a type I cytokeratin. It is a major cellular protein of mature enterocytes and goblet cells and is specifically found in the gastric and intestinal mucosa.

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

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

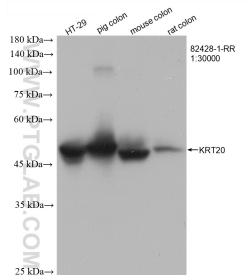
T: 4006900926

E: Proteintech-CN@ptglab.com

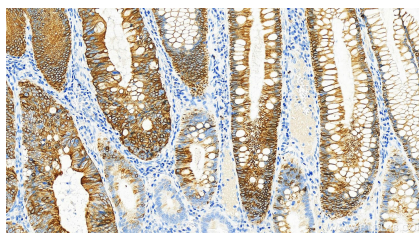
W: ptgcn.com

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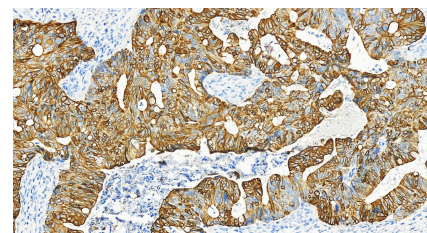
Selected Validation Data



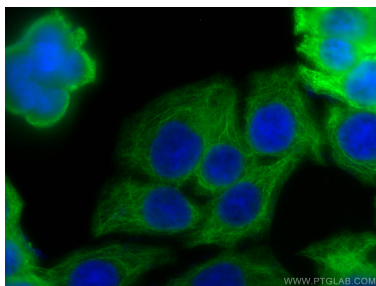
Various lysates were subjected to SDS PAGE followed by western blot with 82428-1-RR (Cytokeratin 20 antibody) at dilution of 1:22000 incubated at room temperature for 1.5 hours.



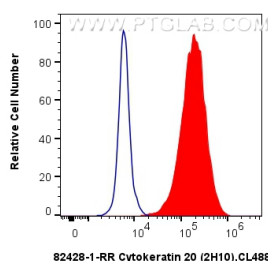
Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 82428-1-RR (Cytokeratin 20 antibody) at dilution of 1:6000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (-20°C Ethanol) fixed HT-29 cells using Cytokeratin 20 antibody (82428-1-RR, Clone: 2H10) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HT-29 cells were intracellularly stained with 0.4 ug Anti-Human Cytokeratin 20 (82428-1-RR, Clone:2H10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).