

Anti-Cytokeratin 20 Antibody (2X563)

Product Details

Ig Type:	IgG2b,k
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 48 kDa.
Clone:	2X563
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Cytokeratin 20) Monoclonal Antibody, Unconjugated (TMAB-04949) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (rat intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Cytokeratin 20) Monoclonal Antibody, Unconjugated (TMAB-04949) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Cytokeratin 20) Monoclonal Antibody, Unconjugated (TMAB-04949) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Cytokeratin 20) Monoclonal Antibody, Unconjugated (TMAB-04949) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Cytokeratin 20) Monoclonal Antibody, Unconjugated (TMAB-04949) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded (Mouse small intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Cytokeratin 20) Monoclonal Antibody, Unconjugated (TMAB-04949) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded (human rectal carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Cytokeratin 20) Monoclonal Antibody, Unconjugated (TMAB-04949) at 1:100

overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

8. Paraformaldehyde-fixed, paraffin embedded Rat Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Anti-Cytokeratin 20 Monoclonal Antibody, Unconjugated (TMAB-04949) at 1: 200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (green), DAPI (blue) was used to stain the cell nuclei.

9. Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Anti-Cytokeratin 20 Monoclonal Antibody, Unconjugated (TMAB-04949) at 1: 200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (green), DAPI (blue) was used to stain the cell nuclei.

10. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Anti-Cytokeratin 20 Monoclonal Antibody, Unconjugated (TMAB-04949) at 1: 200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (green), DAPI (blue) was used to stain the cell nuclei.

Application: IHC-P,IF,IHC-Fr

Recommended IHC-P: 1:100-500; IF: 1:100-500; IHC-Fr: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CK20

Antigen Species: Human

Gene ID: 54474

Uniprot ID: P35900

Research Background

Cytokeratin 20 is a type I keratin which is primarily expressed in gastric and intestinal epithelium, urothelium, and Merkel-cells. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Their genes are clustered in a region of chromosome 17q12-q21. Cytokeratin 20 is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. It is also expressed in adenocarcinomas of the colon, stomach, pancreas and the bile system and is present in mucinous ovarian tumors, transitional-cell and Merkel-cell carcinomas. Notably, the squamous cell carcinomas and adenocarcinomas of the breast, lung, and endometrium, non-mucinous tumors of the ovary, and small cell carcinomas lack cytokeratin 20.

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