Recombinant Keratin 20 Monoclonal Antibody

catalog number: **AN301578L**

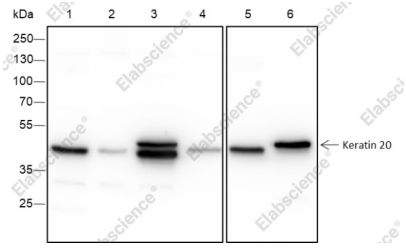
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human Keratin 20 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111201
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:500
IF	1:50
FCM	1:50-1:100

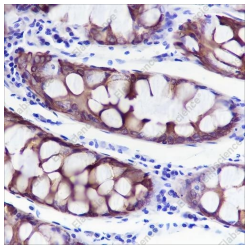
Data



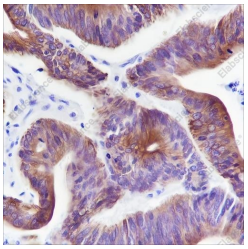
Western Blot with Keratin 20 Monoclonal Antibody at dilution of 1:2000. Lane 1: SW480, Lane 2: HCT-116, Lane 3: HT-29, Lane 4: Mouse small intestine, Lane 5: Mouse colon, Lane 6: Rat colon

Observed-MW:48 kDa

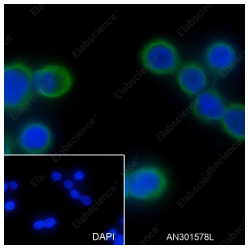
Calculated-MW:48 kDa



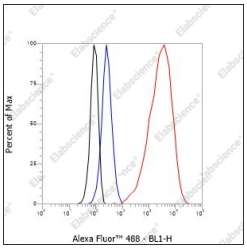
Immunohistochemistry of paraffin-embedded Human colon using Keratin 20 Monoclonal Antibody at dilution of 1:500.



Immunohistochemistry of paraffin-embedded Human colon cancer using Keratin 20 Monoclonal Antibody at dilution of 1:500.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HT-29 cells using anti-Keratin 20 Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human Keratin 20 expression on HT-29 cells. Cells were stained with purified anti-Human Keratin 20, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Keratin (cytokeratin) is an intermediate filament protein, which is mainly expressed in epithelial cells such as gastric epithelium and intestinal epithelium. Keratin heterodimers composed of acidic keratin (or type I keratin, keratin 9 to 23) and basic keratin (or type II keratin, keratin 1 to 8) assemble to form filaments. Keratin isoforms exhibit tissue- and differentiation-specific characteristics, making them useful as research biomarkers. Studies have shown that mutations in the keratin gene are related to skin diseases, liver and pancreatic diseases, and inflammatory bowel disease. Therefore, cytokeratin can be used as a tumor immunohistochemical marker.Keratin 20 (CK-20) is an essential intermediate filament component and the main cytoskeleton keratin of the intestinal epithelium. Studies have shown that keratin 20 is an important marker for colon cancer, liver cancer, and stomach cancer.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com