

Anti-Pan-Cytokeratin antibody (100-200 aa) [ABT154] (STJ197095)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	IHC/WB/IF
Host / Source	Mouse
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

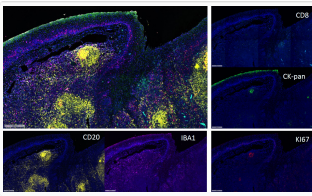
Clonality	Monoclonal
Conjugation	Unconjugated
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution Range	IHC-P 1:100-500 WB 1:200-1000 IF 1:100-500
Formulation	Liquid in PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Isotype	IgG1k
Molecular Weight	Observed: 52kD, 55kD
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

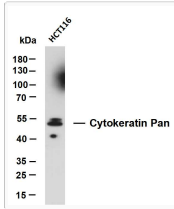
Gene ID	1000 1002 1014 CDH2 CDH4 CADH2_HUMAN CADH4_HUMAN CAD16_HUMAN
Immunogen Region	100-200 aa
Specificity	The antibody can recognize multiple human Cytokeratins, including CK10, 13, 14, 15, 16, 18, 19, and it can be used for immunohistochemical detection of tumors from monolayer and multilayered epithel

ADDITIONAL INFORMATION

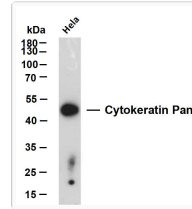
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.
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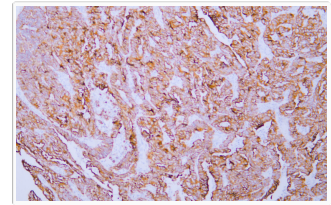
Fluorescence multiplex immunohistochemical analysis of Human tonsil tissue (formalin-fixed paraffin-embedded section). The immunostaining was performed by Pentuple-Fluorescence kit. CK-pan mouse monoclonal antibody (STJ197095) green, Ki-67 rabbit monoclonal antibody (STJA0006295 red), Iba 1 mouse monoclonal antibody (purple), CD8 a mouse monoclonal antibody (cyan), CD20 mouse monoclonal antibody (yellow). The section was incubated in 5 rounds of staining; sequentially for Anti-antibodies; each using a separate fluorescent tyramide signal amplification system. EDTA based antigen retrieval (pH 9.0, 20 minutes) was used in between rounds of tyramide signal amplification to remove the antibody from the previous round, to avoid any cross-reactivity. DAPI (dark blue) was used as a nuclear counter stain. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (Excilone).



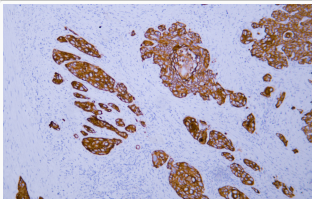
HCT116 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CK20 (ABT006) antibody. The HRP-conjugated Goat anti- mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: HCT116 Predicted band size: 50-60kDa Observed band size: 52, 55kDa



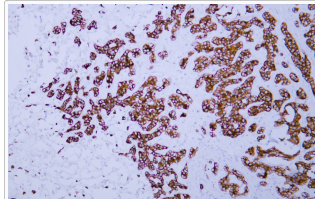
HeLa whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Cytokeratin Pan (ABT154) antibody. The HRP-conjugated Goat anti- mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Predicted band size: 50-60kDa Observed band size: 52kDa



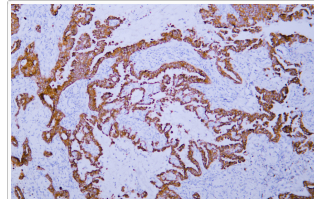
Human endometrial adenocarcinoma tissue was stained with Anti-Cytokeratin (ABT154) Antibody



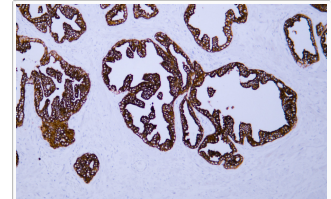
Human esophageal squamous cell carcinoma tissue was stained with Anti-Cytokeratin (ABT154) Antibody



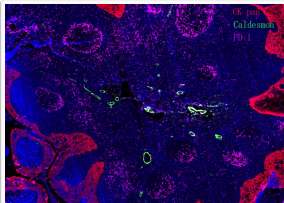
Human hepatocellular carcinoma tissue was stained with Anti-Cytokeratin (ABT154) Antibody



Human lung adenocarcinoma tissue was stained with Anti-Cytokeratin (ABT154) Antibody



Human prostate tissue was stained with Anti-Cytokeratin (ABT154) Antibody



Fluorescence multiplex immunohistochemical analysis of normal human appendix tissue (formalin-fixed paraffin-embedded section). The section was incubated in 3 rounds of staining; in the order of CK PAN. (STJ197095 1/200 dilution), PD-1. (STJ196857 1/200 dilution), Caldesmon pan. (STJ197106 1/200 dilution), each using a separate fluorescent tyramide signal amplification system : Treble-Fluorescence immunohistochemical mouse/rabbit kit (pH9.0)