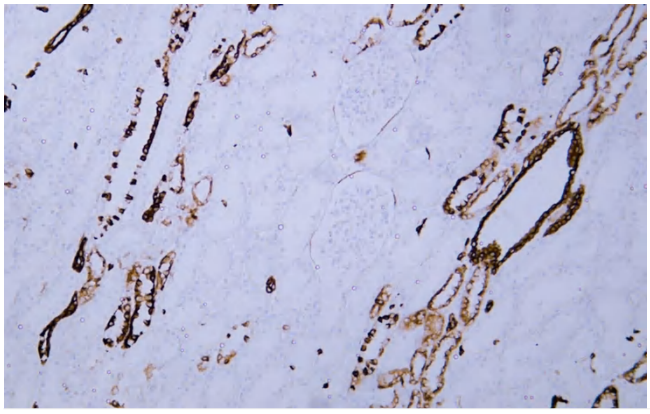
Cytokeratin 7 (ABT319) Mouse mAb

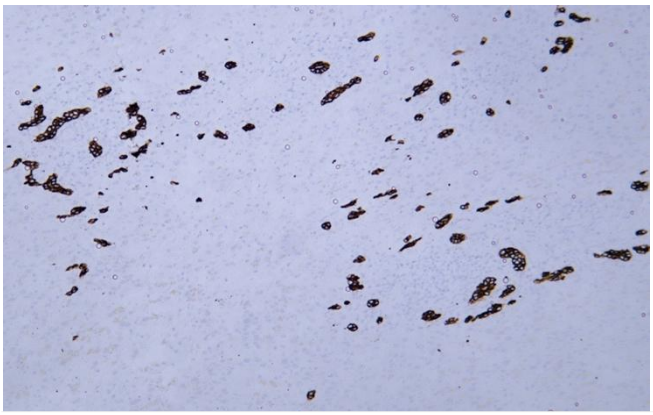
Catalog No	YP-Ab-15091
Isotype	IgG
Reactivity	Human
Applications	IHC,WB
Gene Name	KRT7 SCL
Protein Name	CK 7;CK-7;CK7;Cytokeratin 7;Cytokeratin-7;D15Wsu77e;K2C7;K2C7_HUMAN;K7;Keratin 7;Keratin 7, type II;Keratin type II cytoskeletal 7;Keratin, 55K type II cytoskeletal;Keratin, simple epithelial;Keratin,
Immunogen	Synthesized peptide derived from human Cytokeratin 7
Specificity	The antibody can specifically recognize human CK7 protein, and shows no cross reaction with CK1, 4, 5, 6, 8, 10, 14, 17, 18, 19, 20. In western blotting of Hela, A431, A549 and Hela cell lysates, the
Formulation	PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein
Source	Mouse, Monoclonal/IgG1, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:200-400,WB: 500-1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CK 7;CK-7;CK7;Cytokeratin 7;Cytokeratin-7;D15Wsu77e;K2C7;K2C7_HUMAN;K7;Keratin 7;Keratin 7, type II;Keratin type II cytoskeletal 7;Keratin, 55K type II cytoskeletal;Keratin, simple epithelial;Keratin, simple epithelial type I, K7;Keratin, type II cytoskeletal 7;Keratin-7;Krt2-7;KRT7;MGC11625;MGC129731;MGC3625;Sarcolectin;SCL;Type II mesothelial keratin K7;Type-II keratin Kb7
Observed Band	
Cell Pathway	Cytoplasmic, Membranous
Tissue Specificity	Pancreas
Function	function:Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7).,induction:Up-regulated by retinoic acid.,mass spectrometry: PubMed:11840567,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).,PTM:Arg-20 is dimethylated, probably to asymmetric

	dimethylarginine.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins. Interacts with eukaryotic translation initiator factor 3 (eIF3) subunit EIF3S10 and with HPV16 E7.,tissue specificity:Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus bu
Background	keratin 7(KRT7) Homo sapiens The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

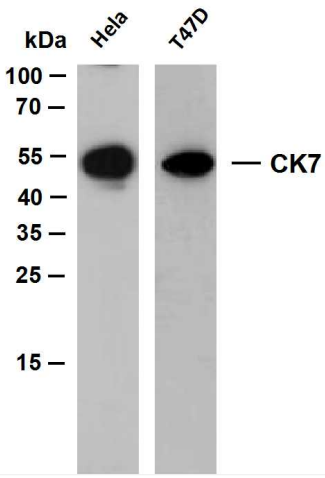
Products Images



Human kidney tissue was stained with Anti-Cytokeratin 7 (ABT319) Antibody



Human liver tissue was stained with Anti-Cytokeratin 7 (ABT319) Antibody



Various whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-CK7 (ABT319)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: T47D Predicted band size: 51kDa Observed band size: 51kDa