

## Cytokeratin 7 (ABT-CK7) IHC kit

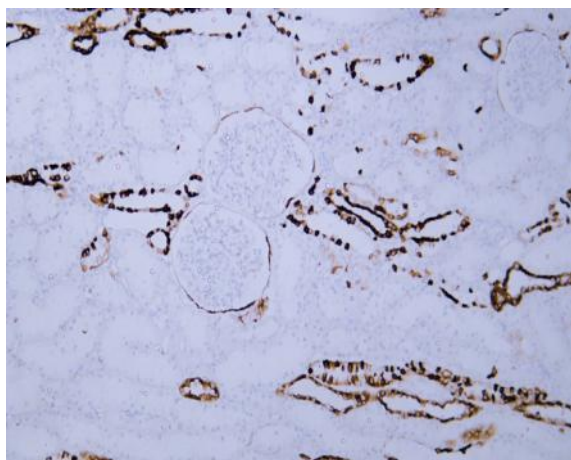
<b>Catalog No :</b>	IHCM6169
<b>Reactivity :</b>	Human;
<b>Applications :</b>	IHC
<b>Target :</b>	Cytokeratin 7
<b>Gene Name :</b>	KRT7 SCL
<b>Protein Name :</b>	Keratin, type II cytoskeletal 7 (Cytokeratin-7) (CK-7) (Keratin-7) (K7) (Sarcolelectin) (Type-II keratin Kb7)
<b>Human Gene Id :</b>	3855
<b>Human Swiss Prot No :</b>	P08729
<b>Immunogen :</b>	Synthesized peptide derived from human Cytokeratin 7 AA range: 350-469
<b>Specificity :</b>	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.
<b>Source :</b>	Mouse, Monoclonal/IgG2b, kappa
<b>Purification :</b>	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.
<b>Storage Stability :</b>	2°C to 8°C/1 year
<b>Background :</b>	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],

**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

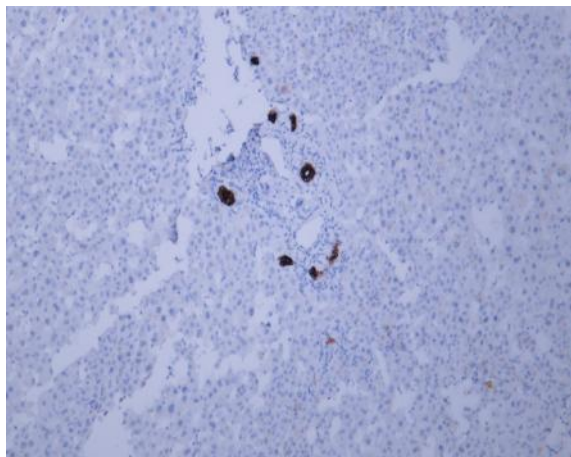
**Subcellular Location :** Cytoplasmic, Membranous

**Expression :** 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 but is absent in the esophagus.

## Products Images



Human kidney tissue was stained with Anti-Cytokeratin 7 (ABT-CK7) Antibody



Human liver tissue was stained with Anti-Cytokeratin 7 (ABT-CK7) Antibody