OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA500021

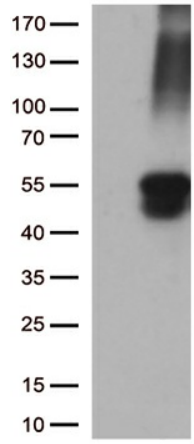
Cytokeratin 8 (KRT8) Mouse Monoclonal Antibody [Clone ID: OTI1B12]

Product data:

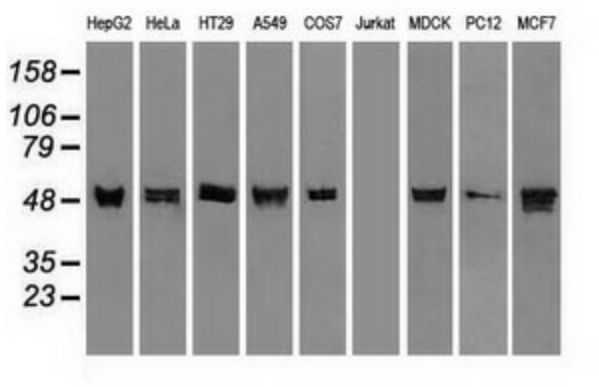
Product Type:	Primary Antibodies
Clone Name:	OTI1B12
Applications:	IF, IHC, WB
Recommend Dilution:	WB 1:2500~5000, IHC 1:50 - 1:150, IF 1:50 - 1:100
Reactivity:	Human, Monkey, Rat, Dog
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 91-381 of human CK8 (NP_002264) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	53.5 kDa
Gene Name:	keratin 8
Database Link:	NP_002264 Entrez Gene 25626 RatEntrez Gene 486513 DogEntrez Gene 3856 Human
Background:	Keratin 8 is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis.
Synonyms:	CARD2; CK-8; CK8; CYK8; K2C8; K8; KO
Protein Families:	Druggable Genome

View online »

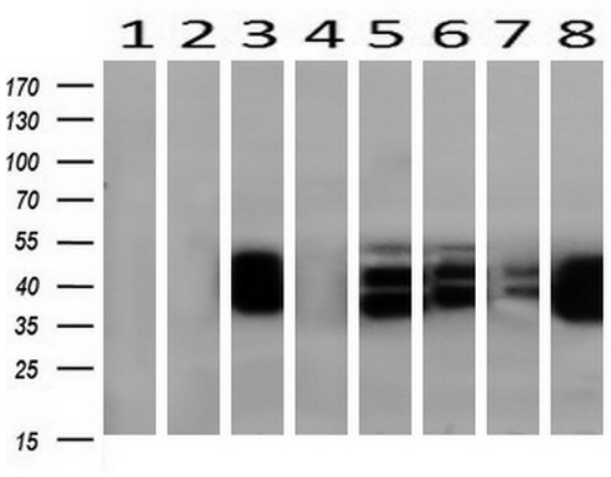
Product images:



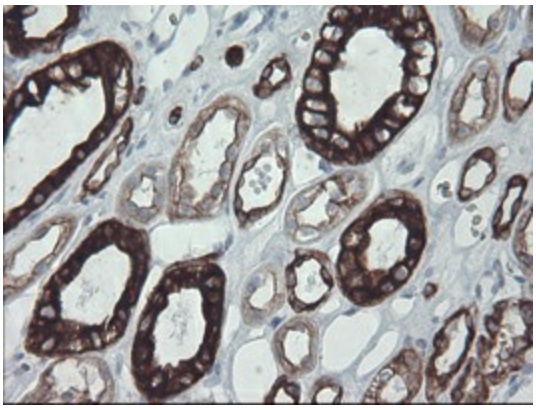
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KRT8 ([RC209570], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KRT8 (1:500).



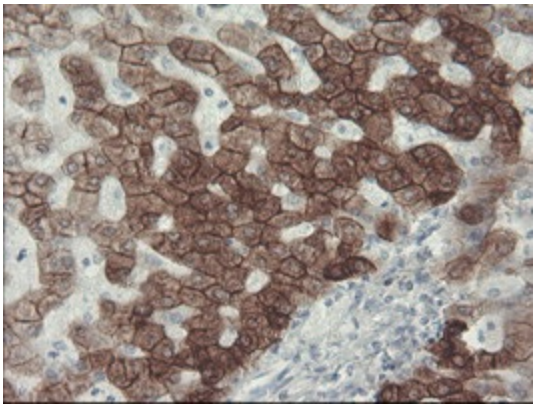
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-KRT8 monoclonal antibody.



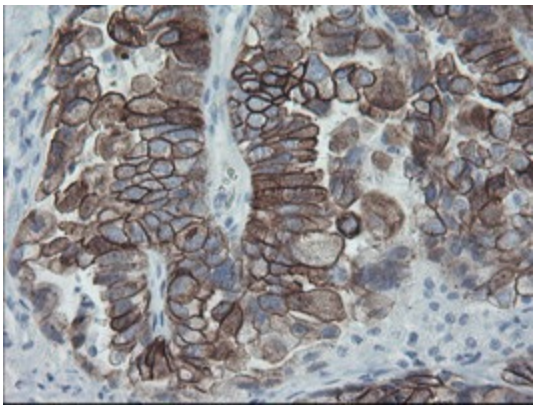
Western blot analysis of extracts (10ug) from 8 Human tissue by using anti-KRT8 monoclonal antibody at 1:1000 (1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: Colon).



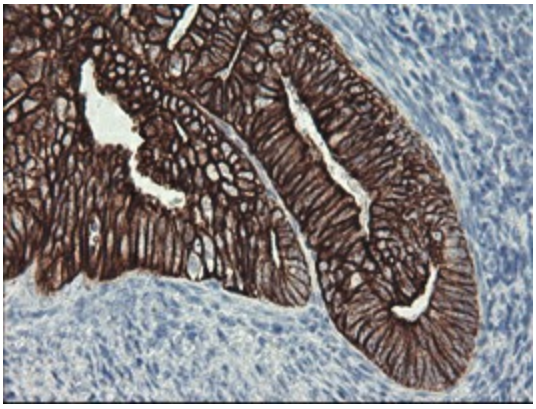
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-KRT8 mouse monoclonal antibody (TA500021) at 1:150 dilution.



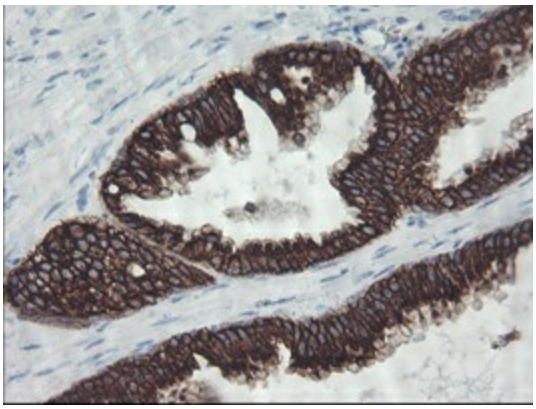
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-KRT8 mouse monoclonal antibody (TA500021) at 1:150 dilution.



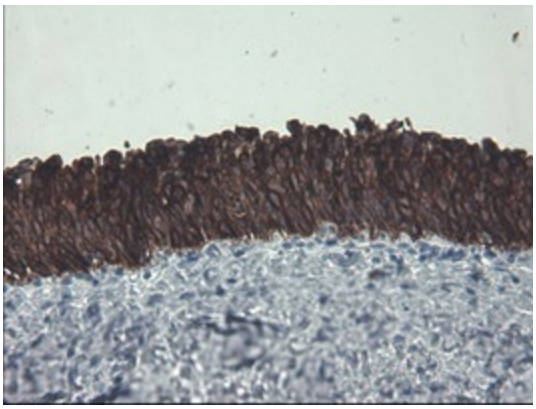
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-KRT8 mouse monoclonal antibody (TA500021) at 1:150 dilution.



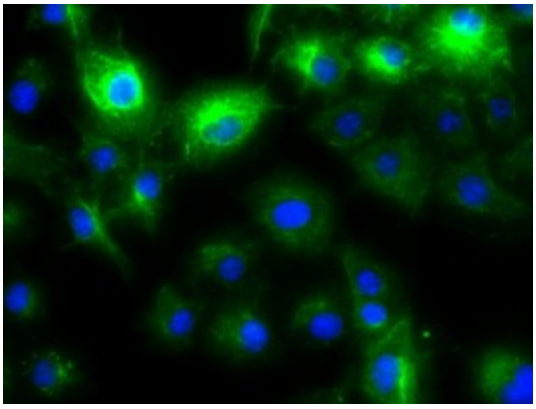
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-KRT8 mouse monoclonal antibody (TA500021) at 1:150 dilution.



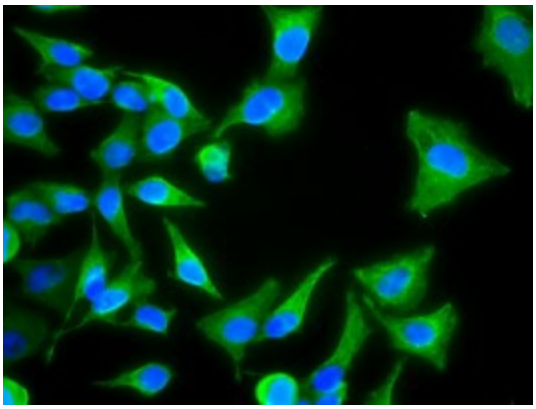
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-KRT8 mouse monoclonal antibody (TA500021) at 1:150 dilution.



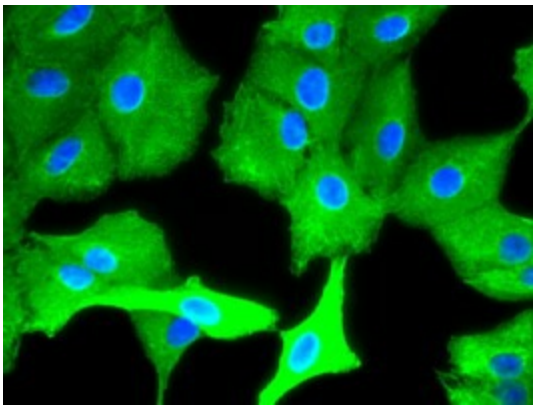
Immunohistochemical staining of paraffin-embedded Human bladder tissue within the normal limits using anti-KRT8 mouse monoclonal antibody (TA500021) at 1:150 dilution.



Anti-KRT8 mouse monoclonal antibody (TA500021) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY KRT8 ([RC209570]).



Immunofluorescent staining of HeLa cells using anti-KRT8 mouse monoclonal antibody (TA500021).



Immunofluorescent staining of A549 cells using anti-KRT8 mouse monoclonal antibody (TA500021).