

Mouse Anti-Pan Cytokeratin antibody

SLM-34137M

Product Name	Pan Cytokeratin
Chinese Name	广谱细胞角蛋白 PCK 单克隆抗体
Alias	pan-cytokeratin; pan-CK; pan CK; P-CK; CK-PAN; wide spectrum Cytokeratin; Cytokeratins; Cytokeratin Pan;[cytokeratins 1,2,4,5,6,7,8,71,72,75,78].
Research Area	Tumour Cell biology immunology
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	4C3
React Species	Human,Mouse,Rat WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	42-64kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Pan Cytokeratin
Lsotype	IgG2b, Kappa
Purification	affinity purified by Protein A
Buffer Solution	Liquid in PBS containing 50% glycerol, 0.5% BSA and 2% sodium azide.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Cytokeratins are proteins of keratin-containing intermediate filaments found

in the intracytoplasmic cytoskeleton of epithelial tissue. The cytokeratins are encoded by a family encompassing 30 genes. Among them, 20 are epithelial genes and the remaining 10 are specific for trichocytes. In the cytoplasm, the keratin filaments conform a complex network which extends from the surface of the nucleus to the cell membrane. Numerous accessory proteins are involved in the genesis and maintenance of such structure. This association between the plasma membrane and the nuclear surface provides important implications for the organization of the cytoplasm and cellular communication mechanisms. Apart from the relatively static functions provided in terms of supporting the nucleus and providing tensile strength to the cell, the cytokeratin networks undergo rapid phosphate exchanges mediated depolymerization, with important implications in the more dynamic cellular processes such as mitosis and post-mitotic period, cell movement and differentiation. Cytokeratins interact with desmosomes and hemidesmosomes, thus collaborating to cell-cell adhesion and basal cell-underlying connective tissue connection.

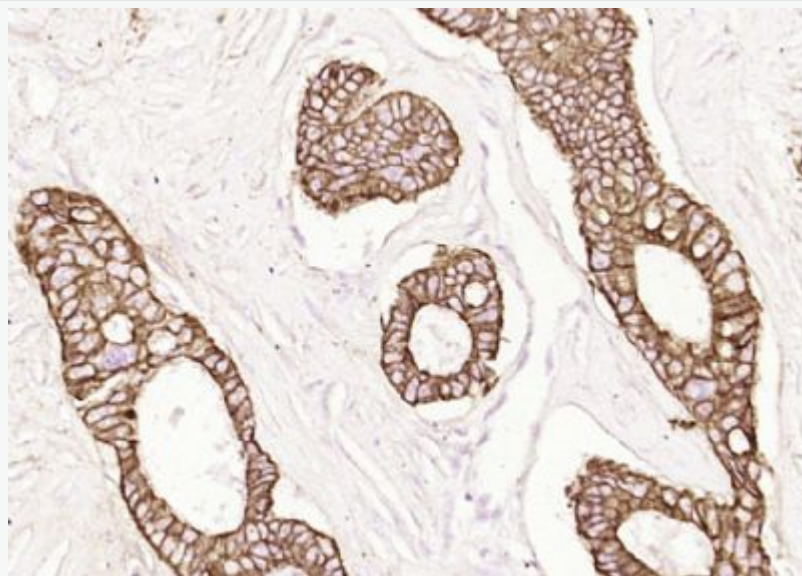
SWISS:

N/A

Gene ID:

Pan Cytokeratin

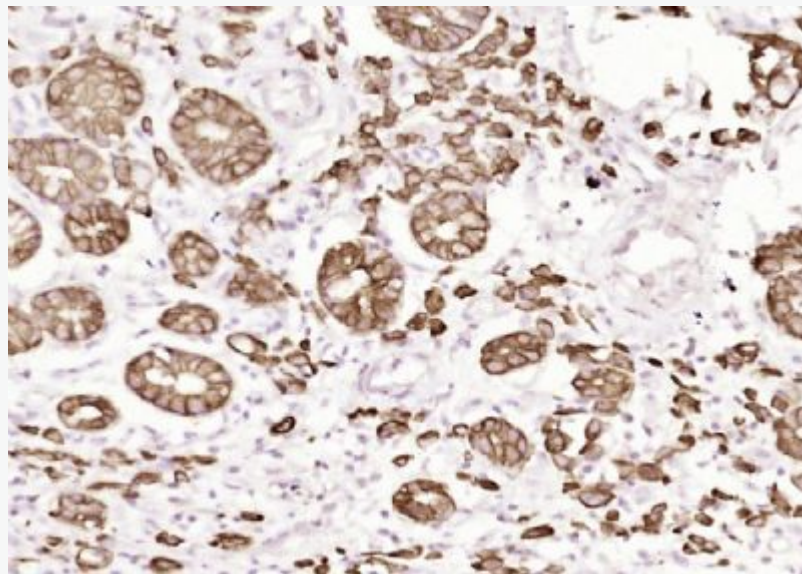
Product Picture



Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma);

Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min;

Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes;
Blocking buffer (normal goat serum) at 37°C for 30min; Antibody
incubation with (Pan Cytokeratin) Monoclonal Antibody, Unconjugated
(SLM-34137M) at 1:200 overnight at 4°C, followed by operating
according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma);
Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min;
Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes;
Blocking buffer (normal goat serum) at 37°C for 30min; Antibody
incubation with (Pan Cytokeratin) Monoclonal Antibody, Unconjugated
(SLM-34137M) at 1:200 overnight at 4°C, followed by operating
according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



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