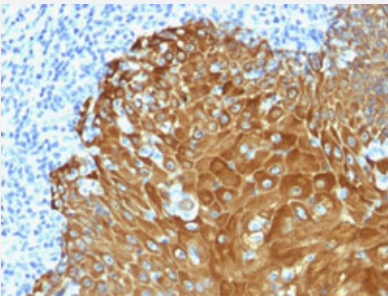


Pan Cytokeratin polyclonal antibody

Catalog # PAB30829 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with Pan Cytokeratin polyclonal antibody (Cat # PAB30829).

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant human Pan Cytokeratin.
Immunogen	Recombinant protein corresponding to full length human KRT76 and KRT77.
Host	Rabbit
Theoretical MW (kDa)	40-67
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1-2 ug/million cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes) Western Blotting (1-2 ug/mL for 2 hours at RT) The optimal working dilution should be determined by the end user.

Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skin with Pan Cytokeratin polyclonal antibody (Cat # PAB30829).
- Immunofluorescence
- Flow Cytometry

Gene Info — KRT7

Entrez GeneID	3855
Protein Accession#	P08729 ; Q04695 ; P05783 ; Q7Z794 ; Q01546
Gene Name	KRT7
Gene Alias	CK7, K2C7, K7, MGC129731, MGC3625, SCL
Gene Description	keratin 7
Omim ID	148059
Gene Ontology	Hyperlink

Gene Summary	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]
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Other Designations	cytokeratin 7 keratin, 55K type II cytoskeletal keratin, simple epithelial type I, K7 keratin, type II cytoskeletal 7 sarcolectin type II mesothelial keratin K7
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Gene Info — KRT17

Entrez GeneID	3872
Protein Accession#	P08729 ; Q04695 ; P05783 ; Q7Z794 ; Q01546
Gene Name	KRT17
Gene Alias	K17, PC, PC2, PCHC1
Gene Description	keratin 17
Omim ID	148069 167210 184500
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle, sebaceous glands, and other epidermal appendages. Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. [provided by RefSeq]
Other Designations	cytokeratin-17

Gene Info — KRT18

Entrez GeneID	3875
Protein Accession#	P08729 ; Q04695 ; P05783 ; Q7Z794 ; Q01546
Gene Name	KRT18
Gene Alias	CYK18, K18
Gene Description	keratin 18
Omim ID	148070 215600
Gene Ontology	Hyperlink
Gene Summary	KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	cell proliferation-inducing protein 46 cytokeratin 18

Gene Info — KRT76

Entrez GeneID [51350](#)**Protein Accession#** [P08729; Q04695; P05783; Q7Z794; Q01546](#)**Gene Name** KRT76**Gene Alias** HUMCYT2A, KRT2B, KRT2P**Gene Description** keratin 76**Gene Ontology** [Hyperlink](#)

Gene Summary Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. The type II keratins are clustered in a region of chromosome 12q13. [provided by RefSeq]

Other Designations cytokeratin 2|keratin 2p

Gene Info — KRT77

Entrez GeneID [374454](#)**Protein Accession#** [P08729; Q04695; P05783; Q7Z794; Q01546](#)**Gene Name** KRT77**Gene Alias** K1B, KRT1B, MGC148087**Gene Description** keratin 77**Omim ID** [611158](#)**Gene Ontology** [Hyperlink](#)

Gene Summary Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This gene encodes an epithelial keratin that is expressed in the skin and eccrine sweat glands. The type II keratins are clustered in a region of chromosome 12q13

Other Designations keratin 1B

Publication Reference

- [Immunolocalization of keratin polypeptides in human epidermis using monoclonal antibodies.](#)

J Woodcock-Mitchell, R Eichner, W G Nelson, T T Sun.

The Journal of Cell Biology 1982 Nov; 95(2 Pt 1):580.

- [Correlation of specific keratins with different types of epithelial differentiation: monoclonal antibody studies.](#)

S C Tseng, M J Jarvinen, W G Nelson, J W Huang, J Woodcock-Mitchell, T T Sun.

Cell 1982 Sep; 30(2):361.

Pathway

- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Drug-Induced Liver Injury](#)
- [Genetic Predisposition to Disease](#)
- [Liver Cirrhosis](#)
- [Liver Failure](#)