KRT19 monoclonal antibody, clone BA-17 (Biotin)

Catalog # MAB4530 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native KRT19.
Immunogen	Native purified KRT19 from mammary organoids.
Host	Mouse
Theoretical MW (kDa)	40
Reactivity	Human
Specificity	This antibody reacts with cytokeratin 19 (40 KDa) in human tissue.
Form	Liquid
Conjugation	Biotin
Concentration	1 mg/mL
Isotype	IgG1
Recommend Usage	Western Blot (2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

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Gene Info — KRT19

Entrez GeneID	3880
Gene Name	KRT19
Gene Alias	CK19, K19, K1CS, MGC15366
Gene Description	keratin 19
Omim ID	148020
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into c ytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidi c cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq
Other Designations	40-kDa keratin intermediate filament|cytokeratin 19|keratin, type I cytoskeletal 19|keratin, type I, 4 0-kd

Publication Reference

- The c-myc and PyMT oncogenes induce different tumor types in a somatic mouse model for pancreatic cancer.

  Lewis BC, Klimstra DS, Varmus HE.

  Genes & Development 2003 Dec; 17(24):3127.

- Patterns of expression of keratin 19 as detected with monoclonal antibodies in human breast tissues and tumours.

  Bartek J, Taylor-Papadimitriou J, Miller N, Millis R.

  International Journal of Cancer 1985 Sep; 36(3):299.

  Application: IHC-Fr, IHC-P, WB-Ti, Human, Human breast tumors

- A subclass of luminal epithelial cells in the human mammary gland, defined by antibodies to cytokeratins.

  Bartek J, Durban EM, Hallowes RC, Taylor-Papadimitriou J.

  Journal of Cell Science 1985 Apr; 75:17.

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Disease

- Liver Cirrhosis

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