ARG53928
anti-Cytokeratin 19 antibody [BA-17] (Biotin)

Package: 100 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Mouse Monoclonal antibody [BA-17] recognizes Cytokeratin 19
Tested Reactivity	Hu
Predict Reactivity	Ms
Tested Application	WB
Specificity	The clone BA-17 reacts with cytokeratin 19 (40 kDa) in human tissue. Cytokeratin 19 is not expressed in hepatocytes; it is often co-expressed with cytokeratin 7.
Host	Mouse
Clonality	Monoclonal
Clone	BA-17
Isotype	IgG1
Target Name	Cytokeratin 19
Immunogen	Mammary organoids.
Conjugation	Biotin
Alternate Names	Cytokeratin-19; K19; CK-19; K1CS; Keratin-19; CK19; Keratin, type I cytoskeletal 19

Application Instructions

Application table

Application	Dilution
WB	1 - 2 µg/ml

Application Note

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

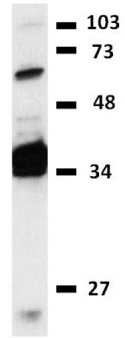
Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 3880 Human Swiss-port # P08727 Human
Gene Symbol	KRT19
Gene Full Name	keratin 19, type I
Background	Cytokeratin 19 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 cytokeratins 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 acidic 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, Jul 2008]
Function	Cytokeratin 19 involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle. [UniProt]
Highlight	Related products: Cytokeratin 19 antibodies; Anti-Mouse IgG secondary antibodies; Related news: Therapeutic strategies against PDAC
Research Area	Signaling Transduction antibody
Calculated Mw	44 kDa

Images



ARG53928 anti-Cytokeratin 19 antibody [BA-17] (Biotin) WB image

Western blot: MCF7 cell lysate stained with ARG53928 anti-Cytokeratin 19 antibody [BA-17] (Biotin), in reducing conditions.