

Product datasheet for **TA354724**

Cytokeratin 19 (KRT19) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Mouse, Rat, Bovine
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the N-terminus of human Cytokeratin protein.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	keratin 19
Database Link:	NP_002267 Entrez Gene 16669 Mouse Entrez Gene 360626 Rat Entrez Gene 3880 Human P08727



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Background:

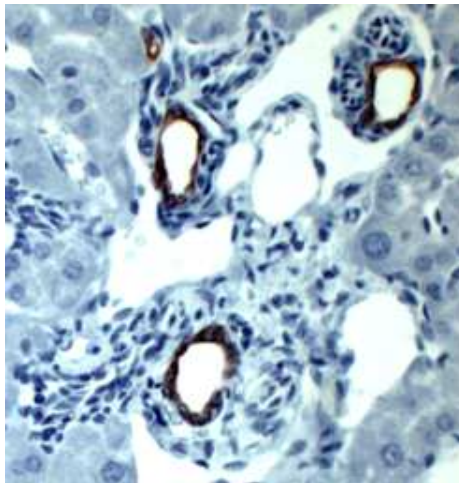
Cytokeratin-19 is one member of the type A (acidic) subfamily of low molecular weight keratins. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I (A) cytokeratins consist of acidic 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 envelops the developing epidermis. Keratin 19 is not expressed in hepatocytes, therefore, antibody to keratin 19 is useful in the identification of liver metastasis. The degree of keratin 19 staining in breast cancer distinguishes malignant from benign tumors. Keratin 19 is often co-expressed with keratin 7.

Synonyms:

CK19; K1CS; K19

Product images:

WB: The whole cell lysate derived from SK-BR-3 was immunoprobed by Rabbit anti-CK-19 at 1:500. An immunoreactive band is observed around ~40kDa.



Mouse liver was stained with Anti-CK-19 antibody, at 1:500 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.