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Product datasheet for TA355270

Cytokeratin 5 (KRT5) Mouse Monoclonal Antibody [Clone ID: XM26]

Product data:

Product Type:	Primary Antibodies
Clone Name:	XM26
Applications:	IHC
Recommended Dilution:	1:100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant fusion protein corresponding to a 103 amino acid portion of the C-terminal region of the human cytokeratin 5 molecule
Specificity:	Human cytokeratin 5 intermediate filament protein.
Formulation:	Liquid tissue culture supernatant containing sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	keratin 5
Database Link:	Entrez Gene 3852 Human P13647

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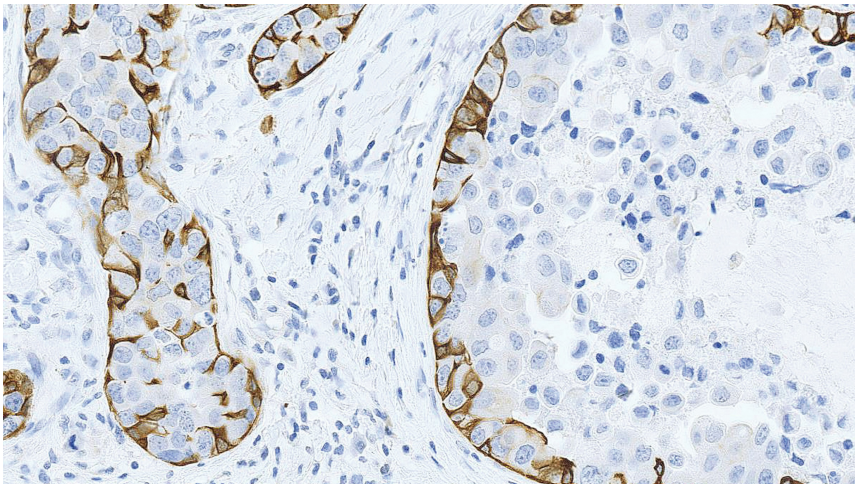
Background: Cytokeratins are a large family of cytoskeletal proteins found in epithelial cells. They are co-ordinately synthesized in pairs so that at least one member of each family is expressed in each epithelial cell. Cytokeratins assemble into obligatory heteropolymers composed of type I (acidic) and type II (basic) polypeptides to form higher order tetramers and protofilaments. Basal cells of human epidermis express acidic keratin 14 and basic cytokeratin 5. Cytokeratin 5 is a 58 kD protein that is closely related to cytokeratin 6. They share similar tissue distribution and are found in various proportions in many non-keratinizing stratified squamous epithelia, for example, tongue mucosa, as well as in basal epithelia of trachea, basal cells of epidermis, hair follicles, sebaceous and sweat glands of skin, luminal cells of the mammary gland, basal cells of prostate, urothelium, vagina and endocervical mucosa. Cytokeratins 5 and 6 are also expressed in basal cell epitheliomas, squamous cell carcinomas of skin, tongue, epiglottis and of the rectal-anal region. Point mutations in the cytokeratin 5 gene at locus 12q11-q13 can cause various types of epidermolysis bullosa simplex. Cytokeratin 5 is also reported to be expressed in most epithelial and biphasic mesotheliomas.

Synonyms: CK-5; CK5; Cytokeratin-5; DDD; EBS2; K5; Keratin-5; KRT5A

Product images:



Human breast, ductal carcinoma in situ: immunohistochemical staining for Cytokeratin 5. Note the intense staining of myoepithelial cells. Cytokeratin 5: clone XM26