

## Product datasheet for **TA327666**

### Cytokeratin 5 (KRT5) Rabbit Monoclonal Antibody [Clone ID: EP1601Y]

#### Product data:

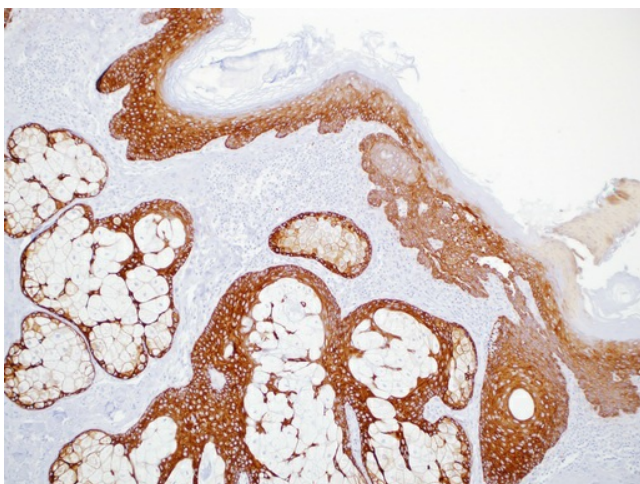
Product Type:	Primary Antibodies
Clone Name:	EP1601Y
Applications:	IHC
Recommended Dilution:	IHC: 1:50 - 1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Formulation:	This antibody is supplied as cell culture supernatant diluted in tris buffered saline, pH 7.3-7.7, with 1% BSA and <0.1% sodium azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	keratin 5
Database Link:	<a href="#">NP_000415</a> <a href="#">Entrez Gene 3852 Human P13647</a>
Synonyms:	CK5; DDD; DDD1; EBS2; K5; KRT5A



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**Note:** Cytokeratin 5 is an intermediate filament protein of 58 kD molecular weight within the cytokeratin family. It is a type II (basic) cytokeratin. Antibodies to this protein identify basal cells of squamous and glandular epithelia, myoepithelia, and mesothelium. Anti-cytokeratin 5 has been useful in the differential diagnosis of metastatic carcinoma in the pleura versus epithelioid mesothelioma. Epithelioid mesotheliomas are strongly positive in all cases, but up to 11% of pulmonary adenocarcinomas will show focal immunostaining. Almost all squamous cell carcinomas, half of transitional carcinomas, and many undifferentiated large cell carcinomas immunostain with anti-CK 5. Anti-CK 5, along with anti-p63, affords a high sensitivity and specificity for squamous differentiation. Myoepithelial cells of the breast, glandular epithelia, and basal cells of the prostate are labeled with anti-CK 5. This antibody, along with anti-CK 14, has found application in identifying basal-like breast carcinoma, a tumor with poor prognosis. Some carcinomas of ovarian origin may display anti-CK 5 positivity.

### Product images:



Immunohistochemistry staining of Paraffin Mesothelioma, prostate tissue by Cytokeratin 5 antibody (dilution: 1:50 - 1:200; visualization of staining: Cytoplasmic)