OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM06179SU-N

Cytokeratin 5 (KRT5) Mouse Monoclonal Antibody [Clone ID: 3E2F1]

Product data:

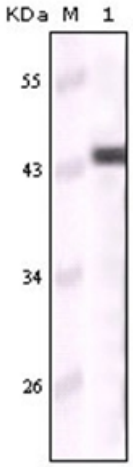
Product Type:	Primary Antibodies
Clone Name:	3E2F1
Applications:	IHC, WB
Recommended Dilution:	**ELISA:** 1/10000. **Western Bloting:** 1/500 - 1/2000. **Immunohistochemistry on Paraffin Sections:** 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of CK5 expressed in E. Coli.
Specificity:	Recognizes Cytokeratin 5
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 5
Database Link:	Entrez Gene 3852 Human P13647

View online »

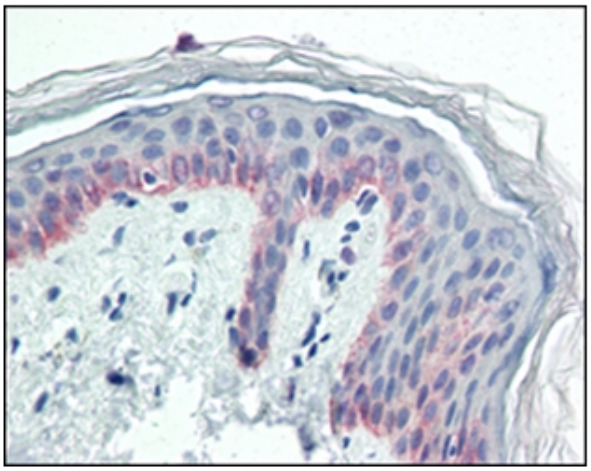
Background: CK5 (keratin 5) is a member of the keratin gene family. Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. At least one member of the acidic family and one member of the basic family is expressed in all epithelial cells. Cytokeratin 5 is expressed in normal basal cells. Mutations of the Cytokeratin5 gene (KRT5) have been shown to result in the autosomal dominant disorderepidermolysis bullosa (EB). Defects in KRT5 are a cause of epidermolysis bullosa simplex.

Synonyms: KRT5, Cytokeratin-5, Keratin-5, Keratin 5, CK5, K5

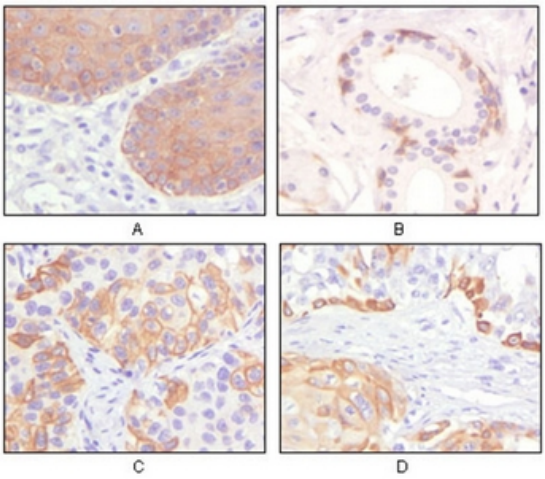
Product images:



Western blot analysis using Cytokeratin 5 antibody Cat.-No AM06179SU-N against truncated CK5 recombinant protein



Immunohistochemical analysis of paraffin-embedded human skin tissues using Cytokeratin 5 antibody Cat.-No AM06179SU-N



Immunohistochemical analysis of paraffin-embedded human esophagus epithelium (A), salivary gland basal cell (B), lung squamous cell carcinoma (C), endometrium admosquamous carcinoma (D), showing cytoplasmic and membrane localization using Cytokeratin 5 antibody Cat.-No AM06179SU-N with DAB staining.