

## Product datasheet for **BM2298P**

### Cytokeratin 10 (KRT10) Mouse Monoclonal Antibody [Clone ID: RKSE60]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	RKSE60
Applications:	FC, IF, IHC, WB
Recommended Dilution:	<b>Immunoblotting:</b> 1/100-1/1000. <b>Flow Cytometry:</b> 1/100-1/200. <b>Immunocytochemistry.</b> <b>Immunohistochemistry on Frozen Sections:</b> 1/100-1/200 (with Avidin-Biotinylated Horseradish peroxidase complex (ABC) as detection reagent).
Reactivity:	Canine, Human, Mouse, Porcine, Rat, Zebrafish
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytokeratins from the Human epidermis
Specificity:	<i>RKSE60</i> reacts exclusively with Cytokeratin 10 which is present in keratinizing stratified epithelia and in differentiated areas of highly differentiated squamous cell carcinomas.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freeze-thaw cycles.
Stability:	Shelf life: One year from despatch.
Gene Name:	keratin 10
Database Link:	<a href="#">Entrez Gene 3858 Human P13645</a>



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**Background:**

Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in human epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH between 4.9 - 7.8. The individual human cytokeratins are numbered 1 to 20. The various epithelia in the human body usually express cytokeratins which are not only characteristic of the type of epithelium, but also related to the degree of maturation or differentiation within an epithelium. Cytokeratin subtype expression patterns are used to an increasing extent in the distinction of different types of epithelial malignancies. The cytokeratin antibodies are not only of assistance in the differential diagnosis of tumors using immunohistochemistry on tissue sections, but are also a useful tool in cytopathology and flow cytometric assays.

**Synonyms:**

Cytokeratin-10, CK10, CK-10, Keratin-10, KRT10, KPP, K10

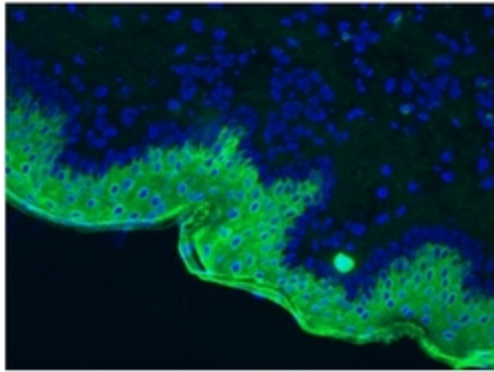
**Product images:**

Figure 1. Immunohistochemistry on frozen section of swine skin: positive staining of the keratinizing layer.

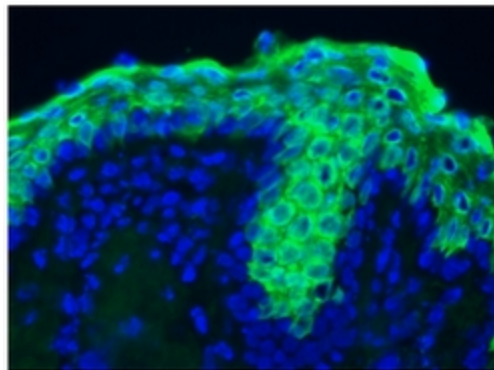


Figure 2. Immunohistochemistry on frozen section of swine skin: positive staining of the keratinizing layer (higher magnification compared to Figure 1)

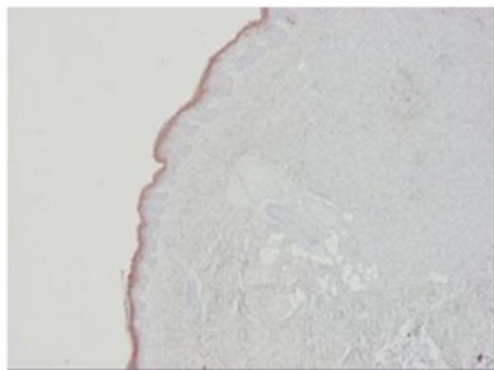


Figure 3. Immunohistochemistry on paraffin section of human skin.

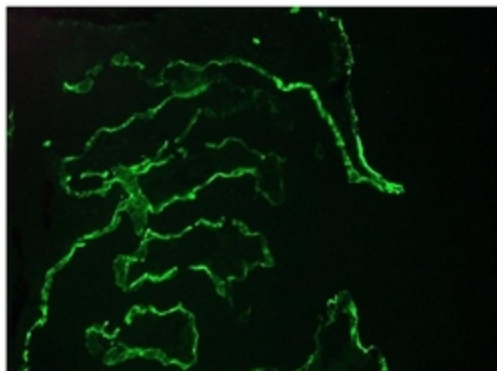


Figure 4. Immunofluorescence staining of a 7 days old zebrafish embryo.