

## Product datasheet for **BP5077**

### Cytokeratin 15 (KRT15) Guinea Pig Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	<b>Immunofluorescence Microscopy on Frozen Sections.</b> <b>Immunohistochemistry on frozen sections:</b> 1:200-1:500 <b>Immunohistochemistry on paraffin sections:</b> 1:200-1:500 (protease treatment and/or microwave treatment recommended) Positive control: sweat glands of human skin (e.g. foot sole).
Reactivity:	Human, Mouse
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of Human Keratin K15 (formerly also designated cytokeratin 15), coupled to KLH.
Specificity:	MW 50,000 (pI 4.9) intermediate filament polypeptide, keratin K15, detected by Immunohistochemistry in basal cells of stratified epithelia (including epidermis, tongue, esophagus, exocervix) and complex stratified epithelia (e.g. bronchial epithelium), in luminal epithelia of mammary, salivary and sweat gland. In the hair follicle, staining was restricted to the basal cell layer of the outer root sheath. Completely <b>non-reactive</b> were cells of liver, colon.
Formulation:	State: Serum State: Liquid Serum Preservative: 0.09% Sodium Azide Stabilizer: 0,5% BSA
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 15
Database Link:	<a href="#">Entrez Gene 3866 Human P19012</a>



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**Background:**

Keratin 15 is a type I keratin without a defined type II partner. Keratin 15 is expressed primarily in the basal keratinocytes of stratified tissues, including the fetal epidermis and fetal nail. Expression of keratin 15 is downregulated in some hyperproliferating situations, such as psoriasis and hypertrophic scars. Because keratinocytes in psoriasis and hypertrophic scars are activated, it is suggested that keratin 15 expression is not compatible with keratinocyte activation and the keratin 15 gene is downregulated to maintain the activated phenotype.

**Synonyms:**

Cytokeratin-15, CK-15, K15, Keratin-15, Keratin 15, KRTB, KRT15