

**Goat Anti-KRT13 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1606a****Specification**

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**Goat Anti-KRT13 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P13646</a>
Other Accession	<a href="#">NP_705694</a> , <a href="#">3860</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	49588

**Goat Anti-KRT13 Antibody - Additional Information****Gene ID** 3860**Other Names**

Keratin, type I cytoskeletal 13, Cytokeratin-13, CK-13, Keratin-13, K13, KRT13

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-KRT13 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-KRT13 Antibody - Protein Information****Name** KRT13**Function**

Type 1 keratin (Probable). Maintains postnatal tongue mucosal cell homeostasis and tissue organization in response to mechanical stress, potentially via regulation of the G1/S phase cyclins CCNE1 and CCNE2 (By similarity).

**Tissue Location**

Expressed in some epidermal sweat gland ducts (at protein level) and in exocervix, esophagus and placenta

## Goat Anti-KRT13 Antibody - Protocols

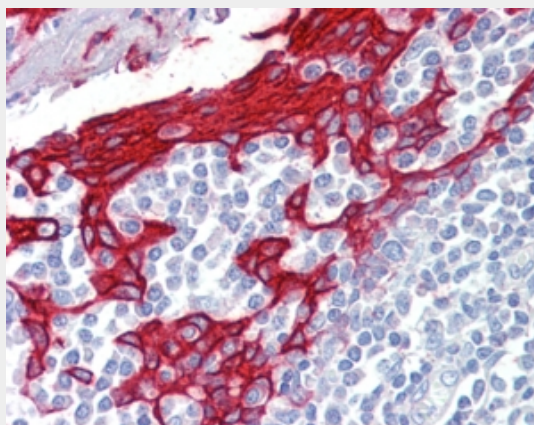
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Goat Anti-KRT13 Antibody - Images



AF1606a (0.1 µg/ml) staining of Human Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1606a (2.5 µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

## Goat Anti-KRT13 Antibody - Background

The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations

in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus. The type I cytokeratins are clustered in a region of chromosome 17q21.2. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been described.

#### **Goat Anti-KRT13 Antibody - References**

Expression of cytokeratins 10, 13, 14 and 19 in oral lichen planus. Jacques CM, et al. J Oral Sci, 2009 Sep. PMID 19776502.

Differential estradiol and selective estrogen receptor modulator (SERM) regulation of Keratin 13 gene expression and its underlying mechanism in breast cancer cells. Sheng S, et al. Mol Cell Endocrinol, 2008 Dec 16. PMID 18951949.

Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.

In situ adenocarcinoma and squamous carcinoma of uterine cervix. Pathological and immunohistochemical analysis with cytokeratin 13. Raspollini MR, et al. Eur J Obstet Gynecol Reprod Biol, 2007 Oct. PMID 16949723.

[Cytokeratin18, 13 and their gene expression in post-operative maxillary cyst linings with metaplastic epithelium] Lu DP, et al. Zhonghua Kou Qiang Yi Xue Za Zhi, 2006 Jun. PMID 16836912.