

## **KRT3 Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16759c

## **Specification**

# **KRT3 Antibody (Center) - Product Information**

**Application** WB,E **Primary Accession** P12035 Other Accession NP 476429.2 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 64417 Antigen Region 414-441

## KRT3 Antibody (Center) - Additional Information

#### **Gene ID 3850**

#### **Other Names**

Keratin, type II cytoskeletal 3, 65 kDa cytokeratin, Cytokeratin-3, CK-3, Keratin-3, K3, Type-II keratin Kb3, KRT3

## Target/Specificity

This KRT3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 414-441 amino acids from the Central region of human KRT3.

## **Dilution**

WB~~1:1000

### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

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

## **Precautions**

KRT3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## KRT3 Antibody (Center) - Protein Information

## Name KRT3

## **Tissue Location**



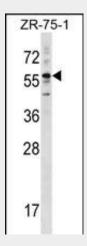
Cornea specific.

## **KRT3 Antibody (Center) - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# KRT3 Antibody (Center) - Images



KRT3 Antibody (Center) (Cat. #AP16759c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the KRT3 antibody detected the KRT3 protein (arrow).

## KRT3 Antibody (Center) - Background

The protein encoded by this gene is a member of the keratin gene family. 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 corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmann's Corneal Dystrophy. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

# KRT3 Antibody (Center) - References

Szaflik, J.P., et al. Mol. Vis. 14, 1713-1718 (2008): Schweizer, J., et al. J. Cell Biol. 174(2):169-174(2006) Chen, Y.T., et al. Cornea 24(8):928-932(2005) Rogers, M.A., et al. J. Invest. Dermatol. 124(3):536-544(2005) Irvine, A.D., et al. Nat. Genet. 16(2):184-187(1997)