

Datasheet for ABIN5557441

**anti-KRT17 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	KRT17
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This KRT17 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

## Product Details

Immunogen:	Recombinant human Cytokeratin 17 protein, around N-terminal 100aa.
Clone:	1B12
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	KRT17
Alternative Name:	Cytokeratin 17 ( <a href="#">KRT17 Products</a> )
Background:	Synonyms: 39.1, CK 17, Cytokeratin17, K17, Keratin 17, Keratin type I cytoskeletal 17, Keratin17,

## Target Details

KRT 17, KRT17, KRT17 protein, PC, PC2, PCHC1, K1C17\_HUMAN.

Background: The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. This gene encodes the type I intermediate filament chain keratin 17, expressed in nail bed, hair follicle, sebaceous glands, and other epidermal appendages.

Mutations in this gene lead to Jackson-Lawler type pachyonychia congenita and steatocystoma multiplex. [provided by RefSeq, Aug 2008].

Gene ID: 3872

UniProt: [Q04695](#)

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

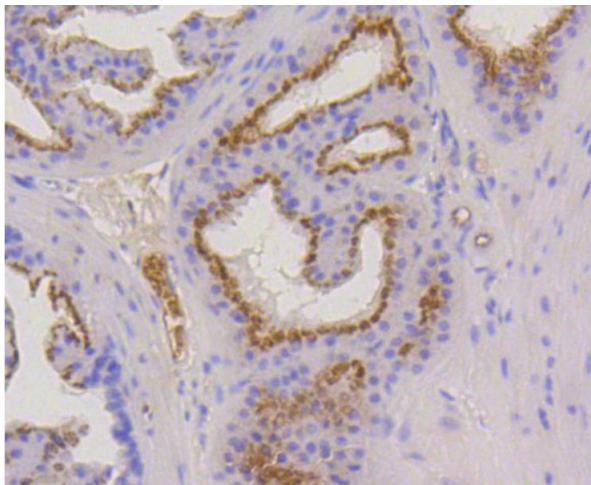
Buffer: Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

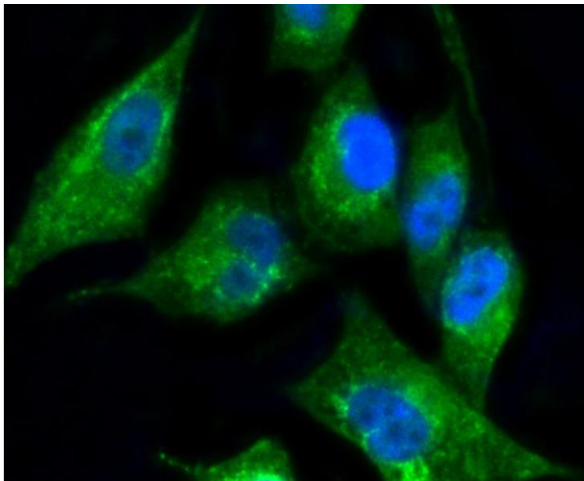
Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded mouse prostate, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer at 37°C for 20min, Antibody incubation with Cytokeratin 17 (1B12) Monoclonal Antibody at 1:50 overnight at 4°C, followed by a conjugated secondary and DAB staining.



#### Immunofluorescence (Cultured Cells)

**Image 2.** PC-3 cells were fixed in paraformaldehyde, permeabilized with 0.25% Triton X100/PBS and stained with Cytokeratin 17 (1B12) Monoclonal Antibody at 1:200 and incubated overnight at 4°C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.