

## Anti-Keratin 17 Antibody (2D274)

### Product Details

Ig Type:	IgG
Reactivity:	Human
Clone:	2D274
Purification:	Protein A purified

### Applications

Verified Activity:	1. Tissue: Human cervical carcinoma
	Section type: Formalin fixed & Paraffin-embedded section
	Retrieval method: High temperature and high pressure
	Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000
	Primary ab incubation condition: 1 hour at room temperature
	Counter stain: Hematoxylin
	Comment: Color brown is the positive signal for TMAB-07985
	2. Tissue: Human prostate hyperplasia
	Section type: Formalin fixed & Paraffin-embedded section
	Retrieval method: High temperature and high pressure
	Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:1000
	Primary incubation condition: 1 hour at room temperature
	Counter stain: Hematoxylin
	Comment: Color brown is the positive signal for TMAB-07985
	3. Blocking buffer: 5% NFD/MTBST
Primary ab dilution: 1:5000	
Primary ab incubation condition: 2 hours at room temperature	
Lysate: HeLa, A431	
Protein loading quantity: 20 µg	
Exposure time: 15 s	
Predicted MW: 48 kDa	
Observed MW: 48 kDa	
Application:	WB,IHC-P,IHC-Fr,ICC/IF,IF
Recommended	WB: 1:1000-5000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:50-100; IF: 1:100-500

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Gene ID: 3872

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### Research 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].

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