

Anti-Cytokeratin 16 Antibody (2E983)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 51 kDa.
Clone:	2E983
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 16 Monoclonal Antibody, Unconjugated (TMAB-04942) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Human Abdominal skin; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 16 Monoclonal Antibody, Unconjugated (TMAB-04942) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Esophagus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 16 Monoclonal Antibody, Unconjugated (TMAB-04942) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
4. (Negative control) paraformaldehyde-fixed, paraffin embedded Human Skeletal muscle; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 16 Monoclonal Antibody, Unconjugated (TMAB-04942) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
5. The Hela (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.). Primary Antibody (green): Rabbit Anti-Cytokeratin 16 antibody (TMAB-04942, 1:100); Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488: 1 µg/test. Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.
6. 4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Cytokeratin 16) monoclonal Antibody, unconjugated (TMAB-04942) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

A DRUG SCREENING EXPERT

Application: WB,IHC-P,IHC-Fr,ICC/IF,IF,FCM
Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:50-200; IF: 1:100-500; FCM: 1:50-100

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

Immunogen: Recombinant Protein: human Cytokeratin 16 protein (1-100aa)
Antigen Species: Human
Gene ID: 3868
Uniprot ID: P08779

Research 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 and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type 1 pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus. [provided by RefSeq, Jul 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481