

Anti-Cytokeratin 1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rabbit (predicted:Rat,Dog,Cow,Horse)
Molecular Weight:	Theoretical: 70 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-Cytokeratin 1 Polyclonal Antibody, Unconjugated (TMAB-04931) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
2. Tissue/cell: mouse embryos tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-Cytokeratin 1 Polyclonal Antibody, Unconjugated (TMAB-04931) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
3. Blank control (blue line): Rabbit spleen cells (blue).
 Primary Antibody (green line): Rabbit Anti-Cytokeratin 1/PE Conjugated antibody (TMAB-04931-PE)
 Dilution: 0.2 µg / 10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG-PE.
 Protocol
 The cells were fixed with 70% ice-cold methanol overnight at 4°C. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.Acquisition of 20,000 events was performed.
4. Blank control (blue line): Hela cells (blue).
 Primary Antibody (green line): Rabbit Anti-Cytokeratin 1/FITC Conjugated antibody (TMAB-04931-PE)
 Dilution: 1 µg / 10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG-PE.
 Protocol
 The cells were fixed with 70% ice-cold methanol overnight at 4°C. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.Acquisition of 20,000 events was performed.
5. Blank control (blue line): MCF7 cells (blue).
 Primary Antibody (green line): Rabbit Anti-Cytokeratin 1/FITC Conjugated antibody (TMAB-04931-FITC)
 Dilution: 1 µg / 10⁶ cells;
 Isotype Control Antibody (orange line): Rabbit IgG-FITC.
 Protocol

Verified Activity:

A DRUG SCREENING EXPERT

The cells were fixed with 70% ice-cold methanol overnight at 4°C. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. Acquisition of 20,000 events was performed.

Application: IHC-P,IHC-Fr,IF,FCM

Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

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: KLH conjugated synthetic peptide: human Cytokeratin 1

Antigen Species: Human

Gene ID: 3848

Uniprot ID: P04264

Research 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 spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq].

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
