

Anti-Cytokeratin 1 Antibody (1D445)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 70 kDa. Actual: 65 kDa.
Clone:	1D445
Purification:	Protein A purified

Applications

Verified Activity:	<ol style="list-style-type: none">1. Paraformaldehyde-fixed, paraffin embedded Mouse Skin; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 1 Monoclonal Antibody, Unconjugated (TMAB-04932) 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 Rat Skin; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 1 Monoclonal Antibody, Unconjugated (TMAB-04932) 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 Skin; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 1 Monoclonal Antibody, Unconjugated (TMAB-04932) 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. 25 µg total protein per lane of various lysates (see on figure) probed with Cytokeratin 1 monoclonal antibody, unconjugated (TMAB-04932) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,IHC-P,IHC-Fr,ICC/IF,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:50-200; 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

Immunogen:	A synthesized 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

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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

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