



CK1 (Cytokeratin-1, Keratin-1)

Catalog number

030101

Supplier

United States Biological

CK1 (also designated Cytokeratin 1 or KRT1),with 644-amino acid protein (about 70kD), is a member of the keratin family. Cytokeratins play a critical role in differentiation and tissue specialization, and they function to maintain the overall structural integrity of epithelial cells.CK1 consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. CK1 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.

Applications

Western Blotting: 1:500-1:2000.

Immunohistochemistry: 1:200-1:1000.

ELISA: Suggested dilution 1:10000.

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

Purified recombinant fragment of CK1 expressed in E. coli.

Formulation

Ascites fluid, 0.03% sodium azide.

Purity

Ascites

Specificity

Human

Product Type

Mab

Source

human

Isotype

IgG1

Grade



Ascites

Applications

E IHC WB

Crossreactivity

Hu

Storage

-20°C

Reference

1. Ricardo G. Espinola, Robin A. Pixley, Berhane Ghebrehiwet. Blood (ASH Annual Meeting Abstracts), Nov 2005; 106: 2666.