

# CK1 Ab

[References\(2\)](#) [Images\(2\)](#)

Cat.#: BF0141                                      Concn.: ~1mg/ml                                      Mol.Wt.: 39kDa  
 Size:                                                      Source: Mouse                                              Clonality: Monoclonal

Application:                                      ELISA 1:10000, WB 1:500-1:2000, IHC 1:200-1:1000  
 \*The optimal dilutions should be determined by the end user.

Reactivity:                                      Human

Storage:                                      Mouse IgG1 in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:                                      Affinity-chromatography.

Immunogen:                                      Purified recombinant fragment of human CK1 expressed in E. Coli.

Uniprot:                                      P48729

Description:                                      CK1 (also designated Cytokeratin 1 or KRT1 ),with 644-amino acid protein (about 70kDa), 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.

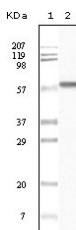


Figure 1: Western blot analysis using CK1 mouse mAb against truncated CK1 recombinant protein.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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