



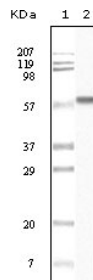
CK1

Mouse monoclonal Antibody

#54032

**Catalog Number:** 54032**Amount:** 100µg/100µl**Swiss-Prot No. :** P48729**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human CK1 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of CK1 and does not cross-react with related proteins**Reactivity:** Human**Applications:**

Predicted MW: 39kd    WB:1:500-2000    IHC:1:200-1000



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

### Background:

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.