



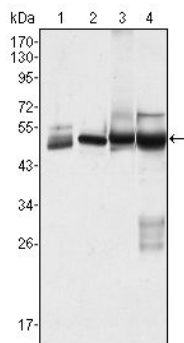
CK7

Mouse monoclonal Antibody

#54041

Catalog Number: 54041**Amount:** 100µg/100µl**Swiss-Prot No. :** P08729**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 CK7 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of CK7 and does not cross-react with related proteins**Reactivity:** Human**Applications:**

Predicted MW: 51kd WB:1:500-2000



Western blot analysis using CK7 mouse mAb against HeLa (1), MCF-7 (2), A431 (3) and A549 (4) cell lysate.

Background: CK7 (Keratin, type II cytoskeletal 7) is a protein that in humans is encoded by the KRT7 gene. CK7 is a member of the keratin family. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. 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 simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described.