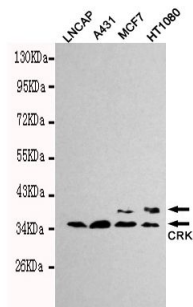


**CrkII****Mouse monoclonal Antibody****#53529****Catalog Number:** 53529**Amount:** 100µg/100µl**Swiss-Prot No. :** P46108**Gene name:** crk**Gene id:** 1398**Clone Number:** 3H7-E5-H8**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human CrkII protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of CrkII and does not cross-react with Akt2 and related proteins**Reactivity:** Human**Applications:** Predicted MW: 34kd WB: 1:1000

Western blot detection of CrkII in Lncap, A431, MCF7 and HT1080 cell lysates using CrkII mouse mAb (1:1000 diluted). Predicted band size: 34kDa. Observed band size: 34kDa.

Background:

This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal SH3 domain functions as a negative regulator of transformation. Two alternative transcripts encoding different isoforms with distinct biological activity have been described.