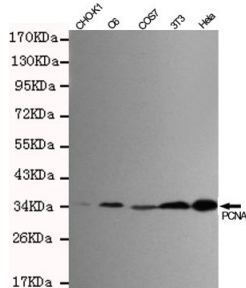




PCNA

Mouse monoclonal Antibody

#53339

Catalog Number: 53339**Amount:** 100µg/100µl**Swiss-Prot No. :** P12004**Gene name:** pcna**Gene id:** 5111**Clone Number:** 2E1-G10-H10**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 PCNA protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of PCNA and does not cross-react with related proteins**Reactivity:** Human, Mouse, Rat, Monkey, Hamster**Applications:** Predicted MW: 36kd WB: 1:1000 ICC/IHC: 1:100

Western blot detection of PCNA in HeLa, 3T3, COS7, C6 and CHO-K1 cell lysates using PCNA mouse mAb (1:1000 diluted). Predicted band size: 36KDa. Observed band size: 36KDa.

Background:

The protein encoded by this gene is found in the nucleus and is a cofactor of DNA polymerase delta. The encoded protein acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, this protein is ubiquitinated and is involved in the RAD6-dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for this gene. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.