

PCNA Mouse Monoclonal Antibody(12D10)

Catalog No.: RCA23

Basic Information

Information

Reactivity	H,M,R
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	29KD

Applications

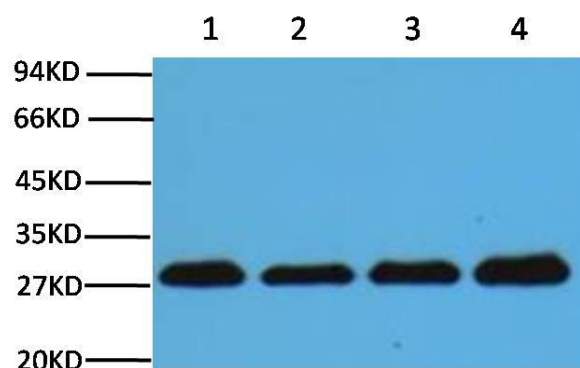
Recommended Dilution

WB	1:5,000
IHC	1:200

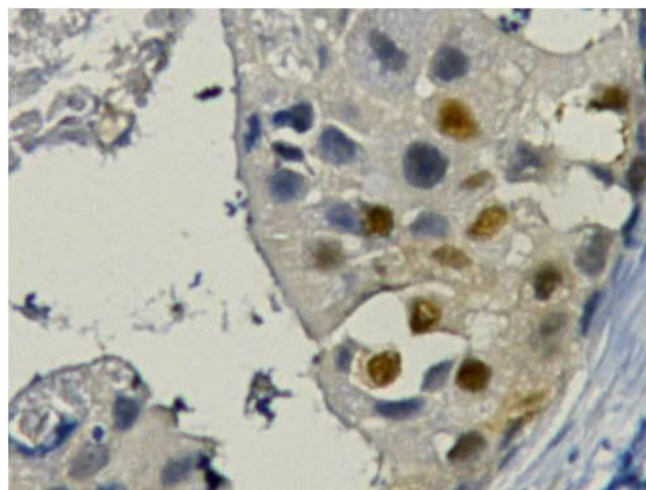
Preparation & Storage

Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental Data



Western blot analysis of Hela (1), Rat brain (2), NIH 3T3 (3), 293T (4) with PCNA mouse mAb(12D10) diluted at 1:5000.



IHC staining of Human breast cancer tissue paraffin-embedded with PCNA mouse mAb (12D10) diluted at 1:200

Background

PCNA is a marker for cells in early G1 phase and S phase of the cell cycle. It is found in the nucleus and is a cofactor of DNA polymerase delta. PCNA acts as a homotrimer and helps increase the processivity of leading strand synthesis during DNA replication. In response to DNA damage, PCNA is ubiquitinated and is involved in the RAD6 dependent DNA repair pathway. Two transcript variants encoding the same protein have been found for PCNA. Pseudogenes of this gene have been described on chromosome 4 and on the X chromosome.