

Anti-PCNA (Proliferating Cell Nuclear Antigen) (G1- & S-phase Marker) Monoclonal Antibody

Catalog Number: M00125

About PCNA

Recognizes a non-histone protein of 36kDa, which is identified as proliferating cell nuclear antigen (PCNA). It is also known as cyclin or polymerase delta auxiliary protein. Elevated expression of PCNA/cyclin has been shown in the nucleus during late G1 phase immediately before the onset of DNA synthesis, becoming maximal during S-phase and declining during G2 and M phases. This monoclonal antibody is excellent for multiple applications.

Overview

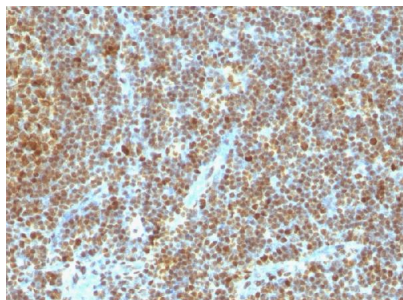
Product Name	Anti-PCNA (Proliferating Cell Nuclear Antigen) (G1- & S-phase Marker) Monoclonal Antibody
Reactive Species	Chicken, Drosophila, Human, Monkey, Mouse, Pig, Rat, Yeast, Zebrafish
Description	Boster Bio Anti-PCNA (Proliferating Cell Nuclear Antigen) (G1- & S-phase Marker) Monoclonal Antibody (Catalog # M00125). Tested in Flow Cytometry, IF, WB, IHC applications. This antibody reacts with Human, Monkey, Pig, Mouse, Rat, Chicken, Zebrafish, Drosophila, Yeast.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal Clone: SPM350
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P12004

Technical Details

Immunogen	Rat PCNA/protein A fusion protein
Predicted Reactive Species	Chimpanzee
Isotype	IgG2a, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml

Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Flow Cytometry (1-2ug/million cells) Immunofluorescence (1-2ug/ml) Western Blot (1-2ug/ml) Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Anti-PCNA (Proliferating Cell Nuclear Antigen) (G1- & S-phase Marker) Monoclonal Antibody (M00125) Images



Formalin-fixed, paraffin-embedded human Tonsil stained with Anti-PCNA Mouse Monoclonal Antibody (SPM350).

72 Publications Citing This Product

1. PubMed ID: 10.7150/jca.49560, Down-regulation of ACACA suppresses the malignant progression of Prostate Cancer through inhibiting mitochondrial potential
2. PubMed ID: 10.2527/jas.2014-8230, Oral administration of putrescine and proline during the suckling period improves epithelial restitution after early weaning in piglets
3. PubMed ID: 10.3390/ani10040631, Dietary Puerarin Supplementation Alleviates Oxidative Stress in the Small Intestines of Diquat-Challenged Piglets

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