

Code No. 18981

**Anti-Human  
dbpA Rabbit IgG Affinity Purify**Volume : 100 $\mu$ g

**Introduction** : DbpA (DNA Binding protein A) belongs to the Y-box binding protein family that contain a DNA binding domain, called the cold shock domain, of about 80-amino-acid residues. DbpA was identified as the protein binding to the epidermal growth factor receptor enhancer or c-erbB-2 promoter. These Y-box binding proteins are reported to have multiple function, such as the regulations of transcription and translation.

It was reported that dbpA was a candidate molecule to accelerate the process of the inflammation-induced hepatocarcinogenesis <sup>(1)</sup>, the association with the advanced stages of hepatocellular carcinoma and its nuclear localization as a marker of poor prognosis <sup>(2)</sup>.

**Antigen** : Synthetic peptide of the C terminal of Human dbpA (TENPAPPTQQSSAE)

**Purification** : Purified with antigen peptide

**Form** : Lyophilized product from 1% BSA in PBS containing 0.05% NaN<sub>3</sub>

**How to use** : 1.0 mL distilled water will be added to the product  
(The conc. comes up 100 $\mu$ g /mL)

**Dilution** : PBS (pH7.4) containing 1% BSA, 0.05% NaN<sub>3</sub>

**Stability** : Lyophilized product, 5 years at 2 – 8 °C  
: Solution, 2 years at –20 °C

**Application** : This antibody can be stained in formalin fixed paraffin embedded tissues after microwave treatment (10 min, 10mM Citrate Buffer, pH6.0) by several Immunohistochemical techniques such as Avidin Biotin Complex (ABC) Method. The optimal dilution is about 1-5 $\mu$ g/mL, however, the dilution rate should be optimized by each laboratories.

: This antibody can be used for western blotting in concentration of about 1-5 $\mu$ g /mL.

**Reference** : 1. Kajino K, Yamamoto T, Hayashi J, Umeda T, Takahara T, Hino O. Recombination hot spot of hepatitis B virus genome binds to members of the HMG domain protein family and the Y box binding protein family; implication of these proteins in genomic instability. *Intervirology*. 2001;44(5):311-6.

2. Yasen M, Kajino K, Kano S, Tobita H, Yamamoto J, Uchiumi T, Kon S, Maeda M, Obulhasim G, Arie S, Hino O. The up-regulation of Y-box binding proteins (DNA binding protein A and Y-box binding protein-1) as prognostic markers of hepatocellular carcinoma. *Clin Cancer Res*. 2005 Oct 15;11(20):7354-61.

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