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 (1), the association with the advanced stages of hepatocellular carcinoma and its nuclear localization as a marker of poor prognosis (2).

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% NaN₃

How to use: 1.0 mL distilled water will be added to the product (The conc. comes up 100 μg/mL)

Dilution: PBS (pH7.4) containing 1% BSA, 0.05% NaN₃

Stability: Lyophilized product, 5 years at 2 – 8 °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 μg/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 μg/mL.
