

Mouse monoclonal anti human YB-1

(Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0211
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Recombinant human YB-1
Ig Type:	Mouse IgG1
Clone	AP-MAB1611
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	IHC and WB

Description: YB-1 (Y-box binding protein-1) contains a highly conserved cold shock domain and is a transcription factor that binds to a CCAAT box. It has been reported that P-glycoprotein is highly expressed in cisplatin-resistant cancer cell lines since the sequence of CCAAT box is located in the promoter region of the drug-resistance gene MDR1, and YB-1 is involved in transcription of P-glycoprotein, the product of the MDR1 gene. YB-1 is usually present in the cytoplasm, but it translocates into the nucleus in cancer cells that have been exposed to UV radiation or anticancer drugs. And it is thought to be involved in DNA damage or repair in association with PCNA or p53.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse immunized with **Recombinant Human YB-1**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μm filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

***Endotoxin Level:** Extremely low level of LPS (< 0.002EU/μg IgG)

Application(s):

- 1. IHC**
- 2. WB**

*** The antibody is produced by in vitro culture and for research use only**