323 Vintage Park Drive
Foster City, California 94404
Tel: 650-573-1968
FAX: 650-573-1969
info@biocheckinc.com

Catalog # BC-59210AP HMGA2 Antibody Specification

Introduction: High Mobility Group (HMG) proteins are transcription factors that are expressed during embryonic development, not in normal adult tissues. The HMGI family consists of 3 proteins, HMGI, HMGI(Y) and HMGA2 (also known as HMGI-C). Experiments with knockout HMGA2 -/- mice yielded a reduced body weight compared to wild-type HMGA2 +/+ mice, which indicates that HMGA2 plays a role in mammalian growth. Interest in HMGA2 has increased recently as it has been found that HMGA2 is expressed in neoplastic tissues and that it apparently has a role in control of cell growth, differentiation and tumorigenesis. HMGA2 is expressed in tumor tissue but not in normal tissue immediately adjacent to the tumor tissue. Studies in peripheral blood show that HMGA2 is not present in normal healthy donors, but is present in the blood of a subset of breast cancer patients. In general, the presence of HMGA2 in the peripheral blood of breast cancer patients has a correlation with poor survival and with a higher histologic grade of the tumor. (1,2,3)

Rogalla *et al*., Molecular Carcinogenesis 19 (1997) 153-156.
Sezer *et al*., European Journal of Cancer 36 (2000) 1944-1948.
Langelotz *et al*., British Journal of Cancer 88 (2003) 1406-1410.

Product Name:	**Rabbit Polyclonal Anti-HMGA2-P3, Affinity Purified (Specific IgG Fraction)**
Catalog Number:	BC-59210AP
Antigen Source:	HMGA2-P3-KLH (Synthetic peptide KLH conjugate)
Lot Number:	A98990
Quantity:	100 ug
Antibody Concentration (A_{280nm}):	1.0 mg/ml
Product Form:	HMGA2 (Peptide3) – Affinity column chromatography purified immunoglobulin fractions in 0.015M KPO_4 buffer, pH = 7.40, containing 0.85% NaCl, 0.1% NaN_3.
Specificity:	HMGA2-P3
Storage Condition:	At 2-8° C. DO NOT FREEZE. Precipitation may occur upon freezing.
Suggested Use:	**For Western Blot or Immunohistochemistry use. For Research Use Only.**