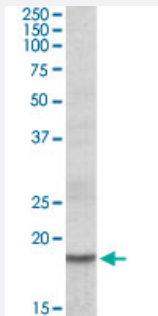


HMGA2 polyclonal antibody

Catalog # PAB18729

Size 100 ug

Applications



Western Blot (Tissue lysate)

HMGA2 polyclonal antibody (Cat # PAB18729) (1 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of HMGA2.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human HMGA2.
Sequence	C-KAAQKKAEATGEK
Host	Goat
Theoretical MW (kDa)	18
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (NP_003474.1; NP_003475.1) and is not expected to cross-react with HMGA1.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:8000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

HMGA2 polyclonal antibody (Cat # PAB18729) (1 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HMGA2

Entrez GeneID	8091
Protein Accession#	NP_003474.1;NP_003475.1
Gene Name	HMGA2
Gene Alias	BABL, HMGIC, HMGIC, LIPO, STQTL9
Gene Description	high mobility group AT-hook 2
Omim ID	151900 600698
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that belongs to the non-histone chromosomal high mobility group (HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancosome. This protein contains structural DNA-binding domains and may act as a transcriptional regulating factor. Identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma suggests a role in adipogenesis and mesenchymal differentiation. A gene knock out study of the mouse counterpart demonstrated that this gene is involved in diet-induced obesity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

Other Designations

High-mobility group protein HMGL-C|high-mobility group (nonhistone chromosomal) protein isoform I-C

Disease

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