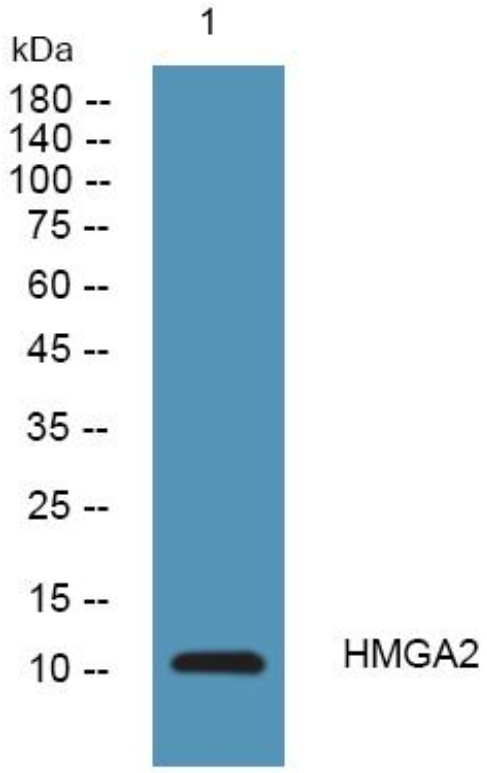
HMGA2 Monoclonal Antibody

Catalog No	YP-mAb-07296
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	HMGA2 HMGIC
Protein Name	High mobility group protein HMGI-C (High mobility group AT-hook protein 2)
Immunogen	Synthesized peptide derived from human protein . at AA range: 11-60
Specificity	HMGA2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	11kD
Cell Pathway	Nucleus.
Tissue Specificity	Aorta endothelial cell,Hepatoma,
Function	developmental stage:Expressed predominantly during embryogenesis.,disease:A chromosomal aberration involving HMGA2 is associated with a subclass of benign mesenchymal tumors known as lipomas. Translocation t(3;12)(q27-q28;q13-q15) with LPP is shown in lipomas. HMGA2 is also fused with a number of other genes in lipomas.,disease:A chromosomal aberration involving HMGA2 is associated with parosteal lipomas. Translocation t(3;12)(q28;q14) with LPP is also shown in one parosteal lipoma.,disease:A chromosomal aberration involving HMGA2 is associated with pulmonary chondroid hamartomas. Translocation t(3;12)(q27-q28;q14-q15) with LPP is detected in pulmonary chondroid hamartomas.,disease:A chromosomal aberration involving HMGA2 is found in uterine leiomyoma (UL) [MIM:150699]. Translocation t(12;14)(q15;q23-24) with RAD51L1. Chromosomal rearrangements involving HMGA2 do not seem to be the princ
Background	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 enhancesome. 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, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using HMGA2 Monoclonal Antibody