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Datasheet for ABIN1981306

anti-HMGA2 antibody (C-Term)

2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	HMGA2
Binding Specificity:	AA 64-92, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMGA2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This HMGA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-92 amino acids from the C-terminal region of human HMGA2.
Clone:	RB21014
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HMGA2
Alternative Name:	HMGA2 (HMGA2 Products)

Target Details

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 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.
Molecular Weight:	11832
Gene ID:	8091
NCBI Accession:	NP_003474 , NP_003475
UniProt:	P52926
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

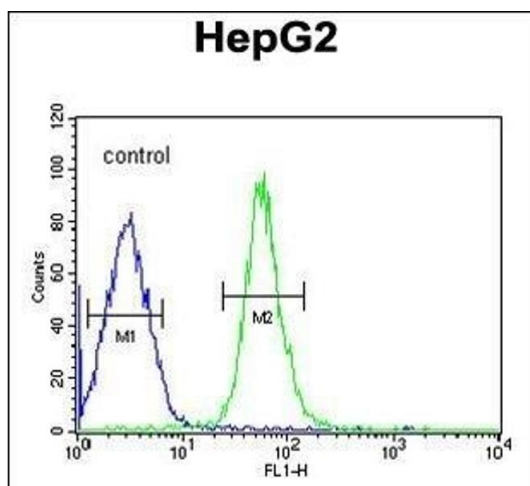
Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

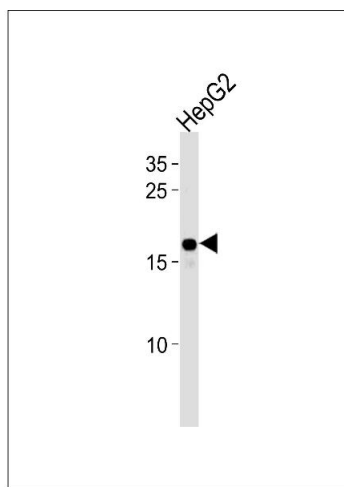
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Product cited in: Tseng, Huang, Lai, Hwai, Hsiao, Jhou, Chuang, Tzeng: "Dual immuno-renal targeting of 7-benzylidenenaltrexone alleviates lupus nephritis via FcγRIIB and HO-1." in: **Journal of molecular medicine (Berlin, Germany)**, Vol. 96, Issue 5, pp. 413-425, (2018) ([PubMed](#)).



Flow Cytometry

Image 1. HMGA2 Antibody (C-term) (ABIN1981306 and ABIN2840297) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. HMGA2 Antibody (C-term) (ABIN1981306 and ABIN2840297) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the HMGA2 antibody detected the HMGA2 protein (arrow).