

Product datasheet for **TA343411**

HMGA2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HMGA2 antibody: synthetic peptide directed towards the N terminal of human HMGA2. Synthetic peptide located within the following region: PSTSAQGQPAAPAPQKRGRGRPRKQQEPTGEPSPKRPRGRPKGSKNKSP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	12 kDa
Gene Name:	high mobility group AT-hook 2
Database Link:	NP_003474 Entrez Gene 8091 Human P52926



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Background:

HMGA2 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. It may play a role in adipogenesis, mesenchymal differentiation and diet-induced obesity. 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.

Synonyms:

BABL; HMGI-C; HMGIC; LIPO; STQL9

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Goat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Yeast: 92%

Protein Families:

Druggable Genome

Product images:

Lanes: Lane 1: 5 ug 293T cell lysate; Lane 2: 10 ug 293T cell lysate; Lane 3: 20 ug 293T cell lysate; Primary Antibody Dilution: 1: 1000; Secondary Antibody: Anti-rabbit HRP; Secondary Antibody Dilution: 1: 10000; Gene Name: HMGA2; Submitted by: Anonymous