

## ARG65035 anti-HMGA2 / HMGI-C antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes HMGA2 / HMGI-C
Tested Reactivity	Hu
Predict Reactivity	Dog
Tested Application	WB
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.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HMGA2 / HMGI-C
Species	Human
Immunogen	C-KAAQKKAETGEK
Conjugation	Un-conjugated
Alternate Names	HMGIC; BABL; LIPO; HMGI-C; High mobility group AT-hook protein 2; STQTL9; High mobility group protein HMGI-C

### Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

#### Database links

[GeneID: 8091 Human](#)

[Swiss-port # P52926 Human](#)

#### 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 enhanosome. 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]

#### Research Area

Cancer antibody; Developmental Biology antibody; Gene Regulation antibody; Metabolism antibody; Neuroscience antibody

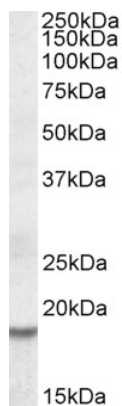
#### Calculated Mw

12 kDa

#### PTM

Regulated by cell cycle-dependent phosphorylation which alters its DNA binding affinity. Phosphorylated by NEK2 (By similarity).

## Images



ARG65035 anti-HMGA2 / HMGI-C antibody WB image

Western blot: Human Heart lysate (35 µg protein in RIPA buffer) stained with ARG65035 anti-HMGA2 / HMGI-C antibody at 1 µg/ml dilution.