

Product datasheet for **TA308757**

HMGA2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, IP, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:5000-1:20000
Reactivity:	Human (Predicted: Pig)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 1 and 109 of HMGA2 (Uniprot ID#P52926)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
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_003475 Entrez Gene 8091 Human P52926



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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]

Synonyms:

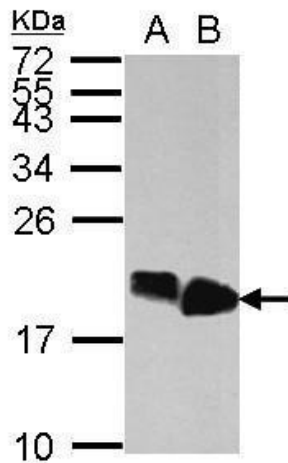
BABL; HMGI-C; HMGIC; LIPO; STQTL9

Note:

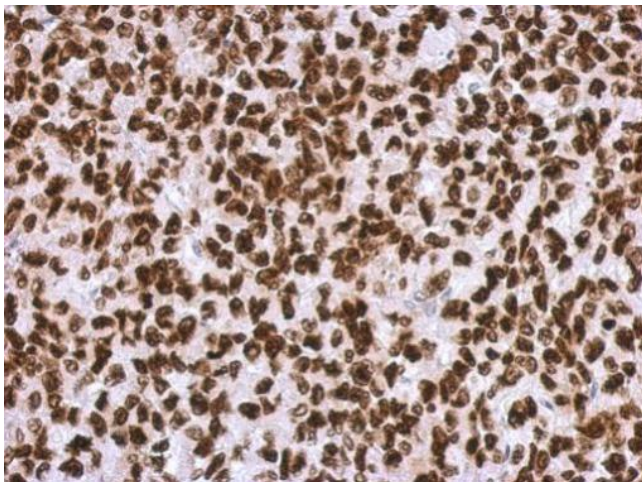
Seq homology of immunogen across species: Pig (88%)

Protein Families:

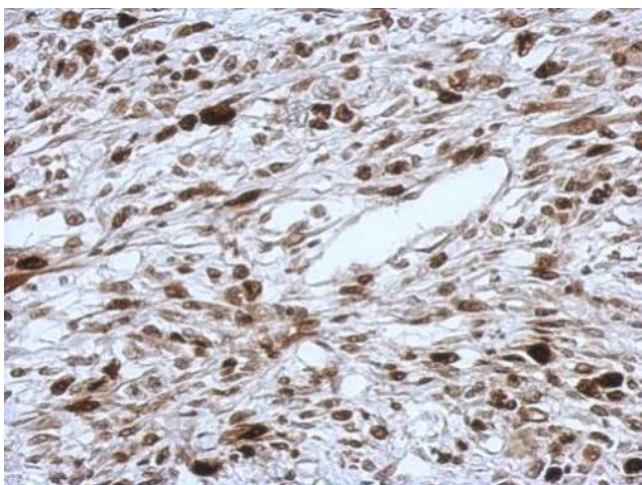
Druggable Genome

Product images:

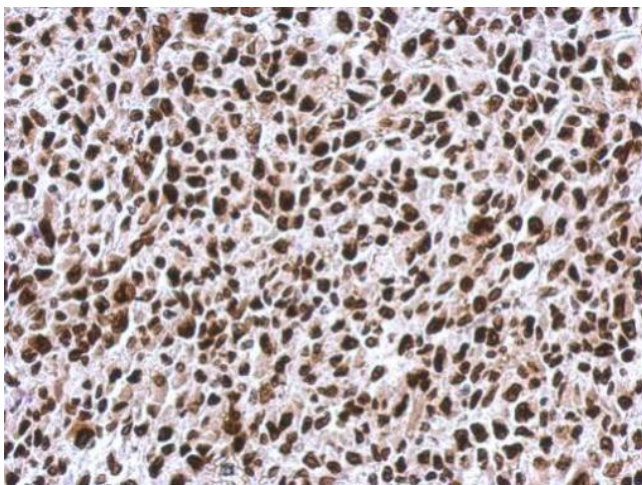
Sample (30 ug of whole cell lysate). A: HepG2. B: HCT116. 15% SDS PAGE. TA308757 diluted at 1:10000.



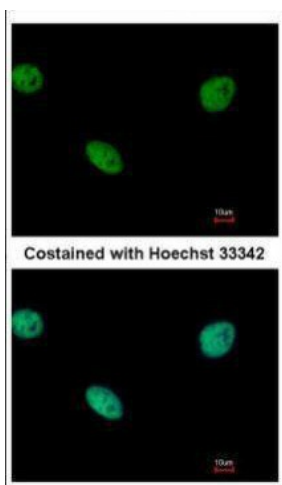
Immunohistochemical analysis of paraffin-embedded H1299 xenograft, using HMGA2 (TA308757) antibody at 1:500 dilution.



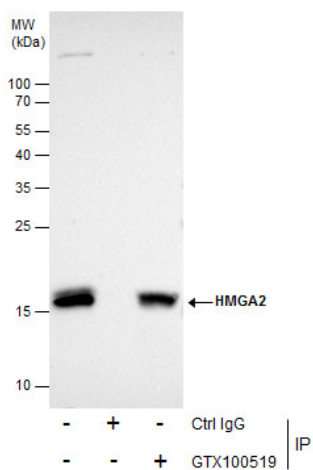
Immunohistochemical analysis of paraffin-embedded C2C12 xenograft, using HMGA2 (TA308757) antibody at 1:500 dilution.



Immunohistochemical analysis of paraffin-embedded RT2 xenograft, using HMGA2 (TA308757) antibody at 1:500 dilution.



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using HMGA2 (TA308757) antibody at 1:500 dilution.



Immunoprecipitation of HMGA2 protein from HepG2 nuclear extracts using 5 µg of HMGA2 antibody (TA308757). Western blot analysis was performed using HMGA2 antibody (TA308757). An anti-rabbit IgG was used as a secondary reagent.