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HMGN3 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14747

Product Information

Application	WB
Primary Accession	Q15651
Other Accession	NM_001201362, NP_001188291
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	10666

Additional Information

Gene ID	9324
Alias Symbol	DKFZp686E20226, PNAS-24, PNAS-25, TRIP7
Other Names	High mobility group nucleosome-binding domain-containing protein 3, Thyroid receptor-interacting protein 7, TR-interacting protein 7, TRIP-7, HMGN3, TRIP7
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-HMGN3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	HMGN3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

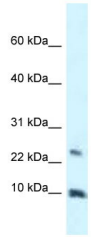
Name	HMGN3
Synonyms	TRIP7
Function	Binds to nucleosomes, regulating chromatin structure and consequently, chromatin-dependent processes such as transcription, DNA replication and DNA repair. Affects both insulin and glucagon levels and modulates the expression of pancreatic genes involved in insulin secretion. Regulates the expression of the glucose transporter SLC2A2 by binding specifically to its promoter region and recruiting PDX1 and additional transcription factors. Regulates the expression of SLC6A9, a glycine transporter which regulates the

	glycine concentration in synaptic junctions in the central nervous system, by binding to its transcription start site. May play a role in ocular development and astrocyte function (By similarity).
Cellular Location	Nucleus.
Tissue Location	Expressed in kidney, lung, pancreas, testis, skeletal muscle, heart, thyroid gland, pituitary gland, prostate and uterus. Low expression in liver, spleen, placenta and ovaries

References

Lee J.W.,et al.Mol. Endocrinol. 9:243-254(1995).
Leong P.W.,et al.Virology 295:147-159(2002).
Yu W.-Q.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
Go V.S.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



WB Suggested Anti-HMGN3 Antibody Titration: 1.0 µg/ml
Positive Control: 721_B Whole CellHMGN3 is supported by BioGPS gene expression data to be expressed in 721_B

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.