

ARG43805 anti-HMGN3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HMGN3
Tested Reactivity	Ms
Predict Reactivity	Hu, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HMGN3
Species	Human
Immunogen	Recombinant full length protein corresponding to HMGN3
Conjugation	Un-conjugated
Alternate Names	HMGN3; High Mobility Group Nucleosomal Binding Domain 3; TRIP7; High Mobility Group Nucleosome-Binding Domain-Containing Protein 3; TR-Interacting Protein 7; Thyroid Hormone Receptor Interacting Protein 7; Thyroid Receptor-Interacting Protein 7; Thyroid Hormone Receptor Interactor 7; PNAS-24; PNAS-25; TRIP-7

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse adrenal gland	
Observed Size	11 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen
Buffer	pH 7.4 PBS, 0.05% NaN3, and 40% Glycerol
Concentration	0.7 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.

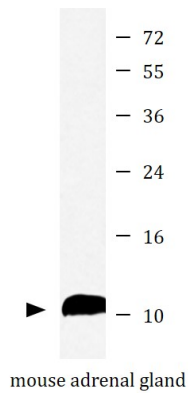
Note

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

Bioinformation

Gene Symbol	HMGN3
Gene Full Name	High Mobility Group Nucleosomal Binding Domain 3
Background	The protein encoded by this gene binds thyroid hormone receptor beta in the presence of thyroid hormone. The encoded protein, a member of the HMGN protein family, is thought to reduce the compactness of the chromatin fiber in nucleosomes, thereby enhancing transcription from chromatin templates. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. There is a related pseudogene on chromosome 1. [provided by RefSeq, Jan 2016]
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). (HMGN3_HUMAN,Q15651)
Calculated Mw	11 kDa
PTM	Phosphoprotein
Cellular Localization	Nucleus

Images



ARG43805 anti-HMGN3 antibody WB image

Western blot: 40 µg of mouse adrenal gland tissue stained with ARG43805 anti-HMGN3 antibody at dilution 1: 500.