

HMGN3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16805a**Specification**

HMGN3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q15651](#)**HMGN3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 9324**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

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HMGN3 Antibody (N-term) Blocking Peptide - 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

HMGN3 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

HMGN3 Antibody (N-term) Blocking Peptide - Images

HMGN3 Antibody (N-term) Blocking Peptide - Background

Thyroid hormone receptors are hormone-dependent transcription factors that regulate expression of a variety of specific target genes. The protein encoded by this gene binds thyroid hormone receptor beta, but only 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. Two transcript variants encoding different isoforms have been found for this gene.

HMGN3 Antibody (N-term) Blocking Peptide - References

Ueda, T., et al. Mol. Cell. Biol. 29(19):5264-5276(2009) Wu, C., et al. Proteomics 7(11):1775-1785(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006) Leong, P.W., et al. Virology 295(1):147-159(2002)