

GPHA2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16841b**Specification**

GPHA2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96T91](#)**GPHA2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 170589**Other Names**

Glycoprotein hormone alpha-2, Putative secreted protein Zsig51, Thyrostimulin subunit alpha, GPHA2, GPA2, ZSIG51

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.

GPHA2 Antibody (C-term) Blocking Peptide - Protein Information**Name** GPHA2**Synonyms** GPA2, ZSIG51**Function**

Functions as a heterodimeric glycoprotein hormone with GPHB5 able to bind and activate the thyroid-stimulating hormone receptor (TSHR), leading to increased cAMP production (PubMed:12045258). Plays a central role in controlling thyroid cell metabolism (PubMed:12045258).

Cellular Location

Secreted.

Tissue Location

Found in a variety of tissues.

GPHA2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPHA2 Antibody (C-term) Blocking Peptide - Images

GPHA2 Antibody (C-term) Blocking Peptide - Background

GPHA2 is a cystine knot-forming polypeptide and a subunit of the dimeric glycoprotein hormone family (Hsu et al., 2002[PubMed 12089349]).

GPHA2 Antibody (C-term) Blocking Peptide - References

Okajima, Y., et al. Regul. Pept. 148 (1-3), 62-67 (2008) :Suzuki, C., et al. Regul. Pept. 142 (1-2), 60-67 (2007) :Breous, E., et al. Mol. Cell. Endocrinol. 245 (1-2), 169-180 (2005) :Sudo, S., et al. Endocrinology 146(8):3596-3604(2005)Hsu, S.Y., et al. Mol. Endocrinol. 16(7):1538-1551(2002)