

GAS8 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP4748c**Specification**

GAS8 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O95995](#)**GAS8 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 2622**Other Names**

Growth arrest-specific protein 8, GAS-8, Growth arrest-specific protein 11, GAS-11, GAS8, GAS11

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.

GAS8 Antibody (Center) Blocking peptide - Protein Information**Name** GAS8**Synonyms** DRC4 {ECO:0000303|PubMed:27120127}, GAS1**Function**

Component of the nexin-dynein regulatory complex (N-DRC), a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. Plays an important role in the assembly of the N-DRC linker (By similarity). Plays dual roles at both the primary (or non-motile) cilia to regulate hedgehog signaling and in motile cilia to coordinate cilia movement. Required for proper motile cilia functioning (PubMed:26387594, PubMed:27120127, PubMed:27472056). Positively regulates ciliary smoothened (SMO)-dependent Hedgehog (Hh) signaling pathway by facilitating the trafficking of SMO into the cilium and the stimulation of SMO activity in a GRK2-dependent manner (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q60779}. Cytoplasm, cytoskeleton. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q60779}. Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q60779}. Golgi apparatus.

Cell projection, cilium. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q7XJ96}. Note=Associates with microtubules (PubMed:10969087). Localized to the cytoplasm of round spermatids, the tails of elongating spermatids, and mature spermatid tail bundles protruding into the lumen, and in the flagellum of epididymal spermatozoa (By similarity). {ECO:0000250|UniProtKB:Q60779, ECO:0000269|PubMed:10969087}

Tissue Location

Expressed in respiratory epithelial cells (at protein level) (PubMed:26387594). Expressed in the heart, skeletal muscle, pancreas, liver, brain, trachea and lung. Weakly or not expressed in placenta and kidney (PubMed:9790751)

GAS8 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GAS8 Antibody (Center) Blocking peptide - Images**GAS8 Antibody (Center) Blocking peptide - Background**

GAS8 includes 11 exons spanning 25 kb and maps to a region of chromosome 16 that is sometimes deleted in breast and prostate cancer. The second intron contains an apparently intronless gene, C16orf3, that is transcribed in the opposite orientation. This gene is a putative tumor suppressor gene.

GAS8 Antibody (Center) Blocking peptide - References

Zhao, L., et al. Virol. J. 6, 218 (2009) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) Ralston, K.S., et al. PLoS Pathog. 2 (9), E101 (2006)