

GAS8 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58359

Specification

GAS8 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession <u>095995</u>

Reactivity
Host
Clonality
Rat, Pig, Dog, Bovine
Rabbit
Polyclonal

Clonality Polyclo
Calculated MW 56 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human GAS8

Epitope Specificity 51-150/478

Isotype
Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SIMILARITY Belongs to the GAS8 family.

SUBUNIT Cytoplasm, cytoskeleton. Cytoplasm,

cytoskeleton, flagellum basal body. Golgi apparatus. Note=Associates with

apparatus. Note-Associates with

microtubules. 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.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

This gene includes 11 exons spanning 25 kb and maps to a region of chromosome 16 that is sometimes deleted in breast and prostrate 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 Polyclonal Antibody - Additional Information

Gene ID 2622

Other Names

Dynein regulatory complex subunit 4, Growth arrest-specific protein 11, GAS-11, Growth arrest-specific protein 8, GAS-8, GAS-8, DRC4 {ECO:0000303|PubMed:27120127}, GAS11



Target/Specificity

Expressed in the heart, skeletal muscle, pancreas and liver. Weakly or not expressed in brain, placenta, lung and kidney.

Dilution

IHC-P~~N/A<br \> <span class
="dilution_IHC-F">IHC-F~~N/A<br \> <span class
="dilution_IF">IF~~1:50~200<br \> E~~N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

GAS8 Polyclonal Antibody - 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}

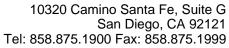
Tissue Location

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 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides





- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GAS8 Polyclonal Antibody - Images