



Gas8 Monoclonal Antibody

Catalog No	YP-mAb-00411
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GAS8
Immunogen	Synthesized peptide derived from the Internal region of human Gas8.
Specificity	Gas8 Monoclonal Antibody detects endogenous levels of Gas8 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GAS 11;GAS 8;GAS11;GAS8;growth arrest 8;Growth arrest-specific protein 8; GAS-8;Growth arrest-specific protein 11;GAS-11
Observed Band	56kD
Calculated Molecular Weight	56kD
Cell Pathway	Cytoplasm . Cytoplasm, cytoskeleton . Cell projection, cilium, flagellum . Cytoplasm, cytoskeleton, cilium axoneme . Cytoplasm, cytoskeleton, cilium basal body . Golgi apparatus . Cell projection, cilium . Cytoplasm, cytoskeleton, flagellum axoneme . 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). .
Tissue Specificity	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).
Function	disease:Defects in GAS8 may be a cause of infertility in male lacking gametocytes.,function:Cytoskeletal linker which binds microtubules and probably functions in axonemal and non-axonemal dynein regulation. May play a role in the spermatozoa motility.,similarity:Belongs to the GAS8 family.,subcellular



location: Associates with microtubules (By similarity). 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., tissue specificity: Expressed in the heart, skeletal muscle, pancreas and liver. Weakly or not expressed in brain, placenta, lung and kidney.,

Background

This gene 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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images