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Product datasheet for CF505454

GAPDHS Mouse Monoclonal Antibody [Clone ID: OTI1F6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1F6
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinanti protein of human GAPDHS(NP_055179) produced in HEK293T
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44.3 kDa
Gene Name:	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic
Database Link:	NP_055179 Entrez Gene 26330 Human O14556

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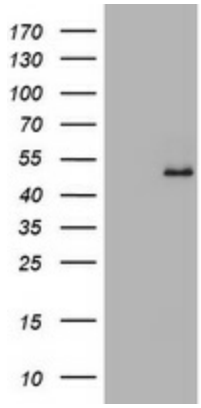
Background: This gene encodes a protein belonging to the glyceraldehyde-3-phosphate dehydrogenase family of enzymes that play an important role in carbohydrate metabolism. Like its somatic cell counterpart, this sperm-specific enzyme functions in a nicotinamide adenine dinucleotide-dependent manner to remove hydrogen and add phosphate to glyceraldehyde 3-phosphate to form 1,3-diphosphoglycerate. During spermiogenesis, this enzyme may play an important role in regulating the switch between different energy-producing pathways, and it is required for sperm motility and male fertility. [provided by RefSeq, Jul 2008]

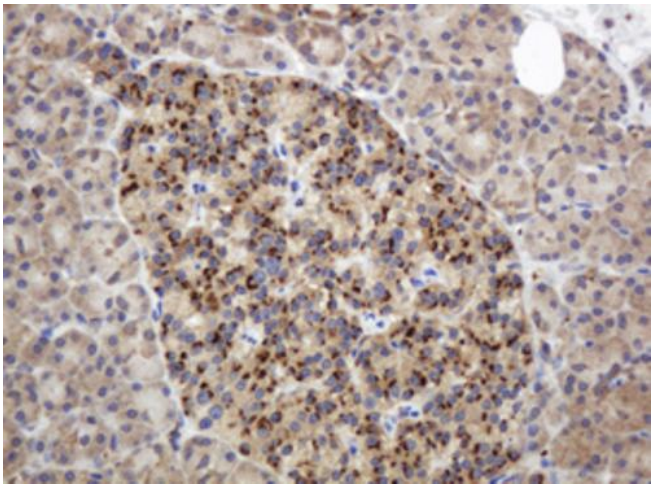
Synonyms: GAPD2; GAPDH-2; GAPDS; HEL-S-278; HSD-35

Protein Families: Druggable Genome

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GAPDHS (Cat# [RC205362], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GAPDHS(Cat# [TA505454]). Positive lysates [LY402320] (100ug) and [LC402320] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GAPDHS mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505454])

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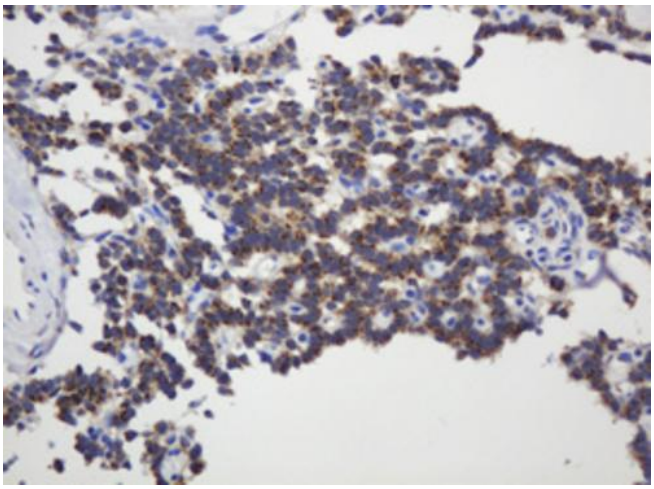
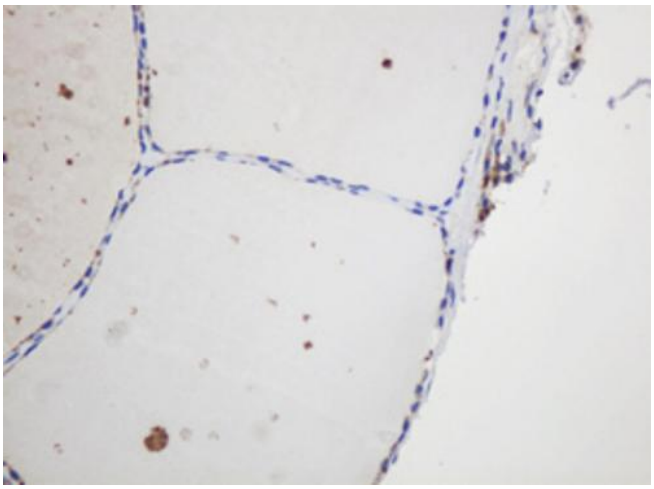
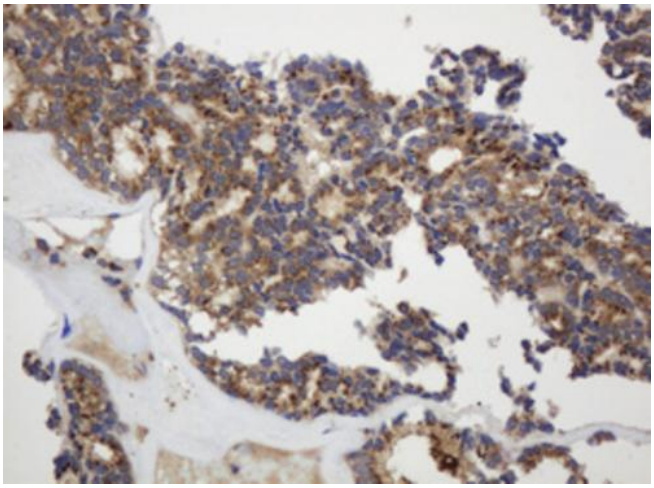


Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-GAPDHS mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505454])



Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-GAPDHS mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505454])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-GAPDHS mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505454])

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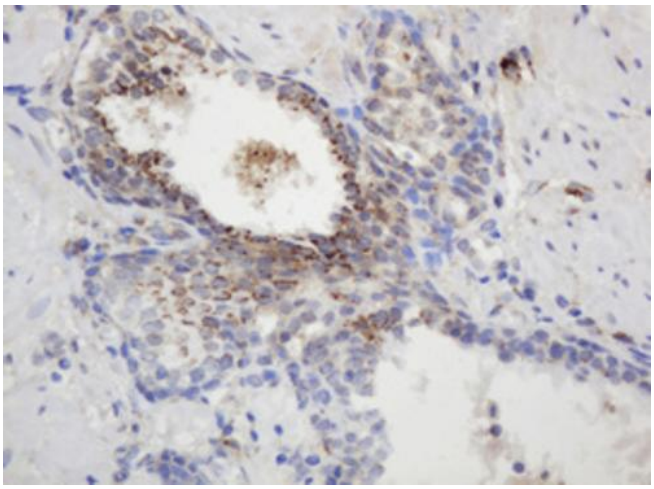

Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-GAPDHS mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505454])

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