CGA monoclonal antibody, clone INN-hFSH-132

Catalog # MAB5316 Size 500 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CGA.
Immunogen	Native purified CGA from human Follicle Stimulating Hormone (FSH).
Host	Mouse
Reactivity	Human
Specificity	A high affinity antibody recognising the alpha 4 epitope of the alpha-subunit of human Chorionic Gonadotrophin (hCG), hLH, hFSH, hTSH and free alpha-subunit. The recognized epitope comprises amino-acids alpha 15 to alpha 22 of the human sequence. Can be used in combination with INN-hCG-2, 22, 24, 32, 72 and INN-hFSH-6 and 60. This antibody will not cross-react with glycoprotein hormones of various animal species.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Enzyme-linked Immunoabsorbent Assay
- Radioimmunoassay

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- Immunoprecipitation

Gene Info — CGA

Entrez GeneID	1081
Gene Name	CGA
Gene Alias	CG-ALPHA, FSHA, GPHA1, GPHa, HCG, LHA, TSHA
Gene Description	glycoprotein hormones, alpha polypeptide
Omim ID	118850
Gene Ontology	Hyperlink
Gene Summary	The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. The protein encoded by this gene is the alpha subunit and belongs to the glycoprotein hormones alpha chain family. [provided by RefSeq
Other Designations	OTTHUMP00000016825|chorionic gonadotropin, alpha polypeptide|follicle-stimulating hormone alpha subunit

Pathway

- Autoimmune thyroid disease
- GnRH signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Asperger Syndrome
- Autistic Disorder
- Breast Neoplasms
- Genetic Predisposition to Disease

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- Lung Neoplasms
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Social Perception
- Thrombophilia
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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