CGA monoclonal antibody, clone 1C5

Catalog # MAB1557 Size 1 mg

Specification

Product Description	Mouse monoclonal antibody raised against full length native CGA.
Immunogen	Native purified human CGA.
Host	Mouse
Reactivity	Human
Specificity	This antibody react with Alpha-hCG, LH, FSH, TSH. No cross reactivity with Beta-hCG.
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Native Purified Protein.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In 15 mM potassium phosphate buffer, 0.85% NaCl, pH 7.2 (0.05% 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 shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CGA

Entrez GeneID	1081

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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
- Lung Neoplasms
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Prostate cancer

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- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Social Perception
- Thrombophilia
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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