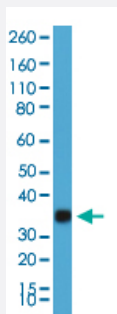


RecomAb™

CGA monoclonal antibody, clone RM330

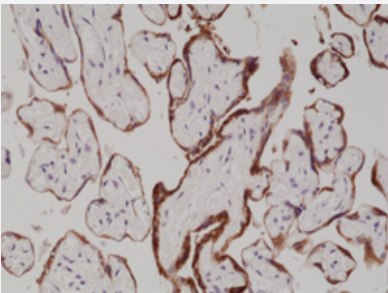
Catalog # MAB21973 Size 100 uL

Applications



Western Blot

Western Blot analysis of hCG protein purified from human urine.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human placenta.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CGA.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against native purified CGA from human urine.
Reactivity	Human
Specificity	This antibody reacts to hCG (human Chorionic Gonadotropin). The antibody recognizes both the native complex and the beta subunit of hCG.
Form	Liquid

Purification	Protein A purification
Isotype	IgG
Recommend Usage	ELISA (1:1000-10000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1000) Western Blot (1:5000-20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	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

- Western Blot

Western Blot analysis of hCG protein purified from human urine.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human placenta.

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 an 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](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Social Perception](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)

- [Werner syndrome](#)