

hCG Alpha Recombinant monoclonal antibody

Catalog Number: 85800-9-RR

Basic Information

Catalog Number:	85800-9-RR	GenBank Accession Number:	Purification Method:
Source:	Rabbit	GeneID (NCBI):	Protein A purification
Isotype:	IgG	1082	CloneNo.:
Immunogen Catalog Number:	EG3377	UNIPROT ID:	250136C4
		PODN86(CGB)+P01215(CGA)	Recommended Dilutions:
		Full Name:	WB: 1:1000-1:4000
		Calculated MW:	IHC: 1:500-1:2000
		18 kDa	IF/ICC: 1:400-1:1600
		Observed MW:	
		20 kDa	

Applications

Tested Applications:	Positive Controls:
WB, IHC, IF/ICC, ELISA	WB : Hydroxyurea treated JAR cells,
Species Specificity:	IHC : human placenta tissue,
human	IF/ICC : Hydroxyurea treated JAR cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

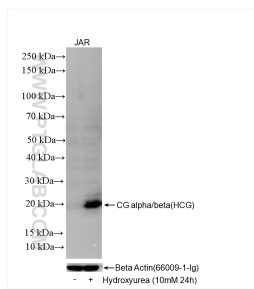
Background Information

Human chorionic gonadotropin (hCG) is a heterodimeric glycoprotein hormone consisting of two non-covalently linked subunits: a common α -subunit (hCG α) and a hormone-specific β -subunit (hCG β). The α -subunit, also designated CGA (chorionic gonadotropin alpha chain), is a 92-amino-acid glycopeptide of ~14-22 kDa that is identical to the α -subunits of the pituitary glycoprotein hormones luteinizing hormone (LH), follicle-stimulating hormone (FSH), and thyroid-stimulating hormone (TSH). Because the α -subunit is shared among these hormones, its biological specificity is conferred by the unique β -subunit with which it associates.

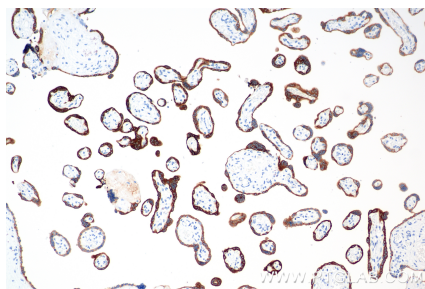
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

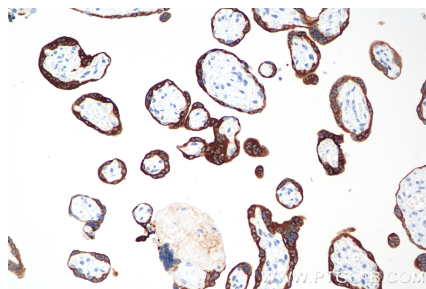
Selected Validation Data



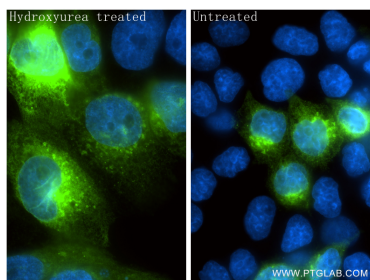
Hydroxyurea treated JAR cells were subjected to SDS PAGE followed by western blot with 85800-9-RR (CGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 85800-9-RR (CGA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 85800-9-RR (CGA antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Hydroxyurea treated JAR cells using hCG Alpha antibody (85800-9-RR, Clone: 250136C4) at dilution of 1:800 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).