

For Research Use Only

hCG Beta Recombinant antibody

Catalog Number: 85800-7-RR



Basic Information

Catalog Number:	85800-7-RR	GenBank Accession Number:	Purification Method:
Concentration:	1000 µg/ml	GeneID (NCBI):	Protein A purification
Source:	Rabbit	1082	CloneNo.:
Isotype:	IgG	UNIPROT ID:	250118E6
Immunogen Catalog Number:	EG3378	P0DN86	Recommended Dilutions:
		Full Name:	WB 1:1000-1:6000
		CG beta	IHC 1:500-1:2000
		Observed MW:	
		20-25 kDa	

Applications

Tested Applications:	Positive Controls:
WB, IHC, ELISA	WB : JAR cells, human placenta tissue
Species Specificity:	IHC : human placenta tissue,
human	

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

Beta-hCG (beta-human chorionic gonadotropin) is a glycoprotein hormone produced by the placenta during pregnancy. It is a critical marker used in both obstetrics and oncology for various diagnostic and monitoring purposes. hCG is composed of two subunits: an alpha subunit (similar to other glycoprotein hormones like LH, FSH, and TSH) and a unique beta subunit (β-hCG). The beta subunit is the primary focus for diagnostic tests due to its specificity. β-hCG is initially secreted by the syncytiotrophoblast cells surrounding the developing embryo and later by the placenta.

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

For technical support and original validation data for this product please contact:

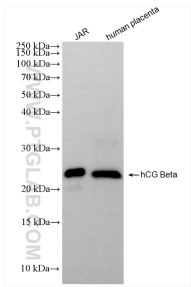
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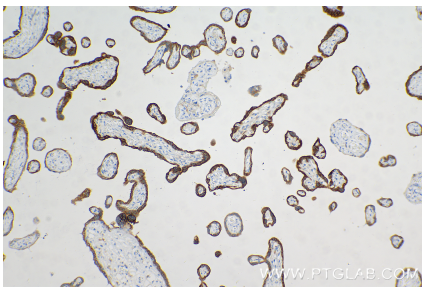
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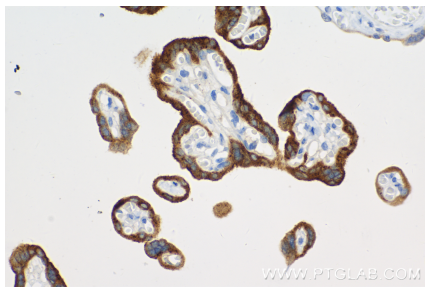
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85800-7-RR (hCG Beta antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 85800-7-RR (hCG Beta 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 85800-7-RR (hCG Beta antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).