

GP HB5 Rabbit pAb

Catalog # AP98822

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q86YW7
Other Accession	Q86YW7
Reactivity	Rat
Predicted	Pig, Gorilla, Elephant, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14232
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GP HB5
Epitope Specificity	25-100/130
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the glycoprotein hormones subunit beta family.
SUBUNIT	Heterodimer with GPHA2.
Post-translational modifications	N-glycosylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GP HB5 is a cystine knot-forming polypeptide and a subunit of the dimeric glycoprotein hormone family (Hsu et al., 2002 [PubMed 12089349]).[supplied by OMIM, Mar 2008]

Additional Information

Gene ID	122876
Other Names	B5; GPB5; ZLUT1; OGH; GP HB5_HUMAN; GP HB5; Thyrostimulin subunit beta; GP HB5_MOUSE; glycoprotein hormone subunit beta 5; glycoprotein hormone beta 5
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GPHB5
Synonyms	GPB5, ZLUT1
Function	Functions as a heterodimeric glycoprotein hormone with GPHA2 able to bind and activate the thyroid-stimulating hormone receptor (TSHR), leading to increased cAMP production. Plays a central role in controlling thyroid cell metabolism.
Cellular Location	Secreted.
Tissue Location	Highly expressed in brain and at low levels in pituitary. Also found in retina, testis and skin but not in pancreas, parotid, kidney, stomach, liver, colon, small intestine, thyroid, brain or adrenal gland. In pituitary, colocalizes with ACTH, suggesting that it is located in corticotrophs.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.