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GPHB5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13233b

Specification

GPHB5 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	O86YW7
Other Accession	NP_660154.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**14232**
Antigen Region	**62-91**

GPHB5 Antibody (C-term) - Additional Information

Gene ID 122876

Other Names
Glycoprotein hormone beta-5, Thyrostimulin subunit beta, GPHB5, GPB5, ZLUT1

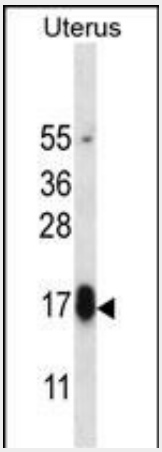
Target/Specificity
This GPHB5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-91 amino acids from the C-terminal region of human GPHB5.

Dilution
WB~~1:1000
IHC-P~~1:10~50

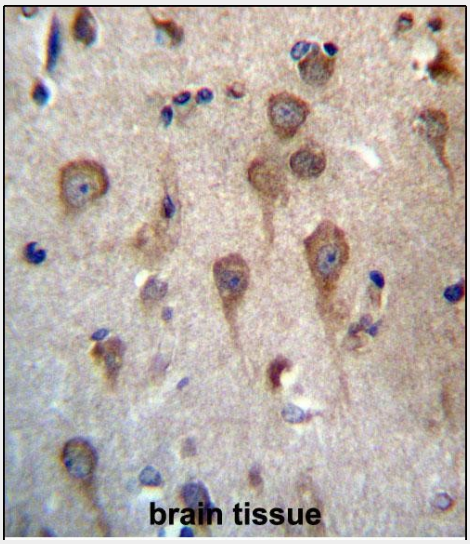
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GPHB5 Antibody (C-term) is for research



GPHB5 Antibody (C-term) (Cat. #AP13233b) western blot analysis in human normal Uterus tissue lysates (35ug/lane).This demonstrates the GPHB5 antibody detected the GPHB5 protein (arrow).



GPHB5 Antibody (C-term) (Cat. #AP13233b)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GPHB5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

use only and not for use in diagnostic or therapeutic procedures.

GPHB5 Antibody (C-term) - 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.

GPHB5 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GPHB5 Antibody (C-term) - Background

GPHB5 is a cystine knot-forming polypeptide and a subunit of the dimeric glycoprotein hormone family (Hsu et al., 2002 [PubMed 12089349]).

GPHB5 Antibody (C-term) - References

Suzuki, C., et al. Endocrinology 150(5):2237-2243(2009) Okajima, Y., et al. Regul. Pept. 148 (1-3), 62-67 (2008) : Okada, S.L., et al. Mol. Endocrinol. 20(2):414-425(2006) Sudo, S., et al. Endocrinology 146(8):3596-3604(2005) Heilig, R., et al. Nature 421(6923):601-607(2003)