Rabbit TSH beta Polyclonal Antibody | anti-TSH antibody

TSH beta Antibody BIOTIN-Conjugated

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA226314	**Rabbit**	**Human, Mouse, Rat**	**Western Blot, Immunoprecipitation, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA**

PRODUCT SYNONYMS

TSH beta; Polyclonal Antibody; TSH beta Antibody BIOTIN-Conjugated; CHNG4; Thyroid stimulating hormone beta subunit; Thyrotropin beta subunit; TSHB antibody; anti-TSH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Biotin-conjugated Immunoglobulins
Concentration	0.75 mg/ml IgG in antibody stabilization buffer (varies by lot)
Applicable Applications for anti-TSH antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, CM (Confocal Microscopy)
Immunogen	Synthetic peptide taken within amino acid region 1-50 on human Thyroid stimulating hormone, beta protein.
Determinant	N-epitope
Preparation and Storage	Store at -20°C for long term storage.

ADDITIONAL INFORMATION

Related Product Information for anti-TSH antibody	Description: Biotin-conjugated Thyroid stimulating hormone, beta Antibody C-epitope Overview: The pituitary hormones, leutinizing hormone (lutropin, LH) and follicle stimulating hormone (follitropin, FSH) as well as related placental hormones, chorionic gonadotropin and CG, are referred to as gonadotropic hormones becuase of their acstion on gonad cells. Because of their similar structure and composition and glycoprotein nature, LH, TSH, GC and FSH, these hormones are often referred to as glycoprotein hormones. These hormones are heterodimeric in nature composed of two un-identical subunits, alpha and beta, which are non-covalently associated. Among humans and other species, the Alpha subunit is identical for all these hormones and is coded by a single gene, where is beta subunits are distinct but not homologous and arise from separate genes. The individual hormone subunits and peptides derived from them have shown some binding activities to their respective receptors, the association of alpha and beta subunits clearly is required for optimal activation and physiological responses elicited by these hormones. Within the heterodimeric hormones, the beta subunit confers binding activity to its respective receptor. The TSH beta-selective antibodies were generated against a sequence within amino acid region 1-50 on human TSH beta protein. The antibodies to TSH beta can be conjugated to fluorophores and other secondary enzymes as an additional service. Western blot positive control in ready-to-use SDS-sample buffer and antigenic blocking peptides are available. Please inquire.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47479818

NCBI GeneID	7252
UniProt Accession #	P01222; Q16163; B1AKP0
NCBI Official Full Name	Thyroid stimulating hormone, beta
NCBI Official Synonym Full Names	thyroid stimulating hormone beta
NCBI Official Symbol	TSHB
NCBI Official Synonym Symbols	TSH-B; TSH-BETA
NCBI Protein Information	thyrotropin subunit beta
UniProt Protein Name	Thyrotropin subunit beta
UniProt Gene Name	**TSHB**
UniProt Synonym Gene Names	TSH-B; TSH-beta
UniProt Entry Name	TSHB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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