



# Anti-TSHB monoclonal antibody, clone 168-22112 (DCABH-2407)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Mouse monoclonal to TSH beta                                                                                                                                                                                     |
| <b>Antigen Description</b> | Various hormones are secreted from the anterior pituitary during development and growth. Thyroid Stimulating Hormone (TSH) is secreted from the anterior pituitary and controls thyroid structure and metabolism |
| <b>Specificity</b>         | Cross-reactivity: TSH 100% hCG 0% LH 0% FSH 0%                                                                                                                                                                   |
| <b>Immunogen</b>           | Human Pituitary gland.                                                                                                                                                                                           |
| <b>Isotype</b>             | IgG1                                                                                                                                                                                                             |
| <b>Source/Host</b>         | Mouse                                                                                                                                                                                                            |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                            |
| <b>Clone</b>               | 168-22112                                                                                                                                                                                                        |
| <b>Purification</b>        | This antibody is >90% pure as determined by SDS-PAGE from ascites.                                                                                                                                               |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                     |
| <b>Applications</b>        | Sandwich ELISA                                                                                                                                                                                                   |
| <b>Format</b>              | Liquid                                                                                                                                                                                                           |
| <b>Size</b>                | 1 mg                                                                                                                                                                                                             |
| <b>Buffer</b>              | pH: 7.40; Preservative: 0.1% Sodium azide; Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride                                                                                                             |

|                     |                                                      |
|---------------------|------------------------------------------------------|
| <b>Preservative</b> | 0.1% Sodium Azide                                    |
| <b>Storage</b>      | store at -20°C. Avoid repeated freeze / thaw cycles. |
| <b>Ship</b>         | Shipped at 4°C.                                      |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">TSHB thyroid stimulating hormone, beta [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>     | TSHB                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | TSHB; thyroid stimulating hormone, beta; thyrotropin subunit beta; thyrotropin beta chain; thyrotropin beta subunit; thyroid-stimulating hormone subunit beta; TSH-B; TSH-BETA;                                                                                                                                                                                                                         |
| <b>Entrez Gene ID</b>      | <a href="#">7252</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | <a href="#">NP_000540</a>                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | <a href="#">P01222</a>                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 1p13                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | Amine-derived hormones, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; |
| <b>Function</b>            | hormone activity;                                                                                                                                                                                                                                                                                                                                                                                       |