

## Anti-TSH beta [14H9.E4.A4] Bulk Size Ab01469-1.1-BT

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** 14H9.E4.A4

**Alternative Name(s) of Target:** Thyroid stimulating hormone b; Thyrotropin subunit beta; TSHB; Thyroid-stimulating hormone subunit beta; TSH-B; TSH-beta; Thyrotropin beta chain; 14H9.E2

**UniProt Accession Number of Target Protein:** P54828

**Published Application(s):** IP, ELISA, IF

**Published Species Reactivity:** Cat, Dog, Horse, Sheep

**Immunogen:** The gene encoding the mature  $\beta$  subunit of canine thyroid stimulating hormone (cTSH $\beta$ ) was cloned, sequenced and expressed in Escherichia coli and in Chinese hamster ovary (CHO) cells, and monoclonal antibodies against the recombinant cTSH $\beta$ , purified from E. coli, were generated.

**Specificity:** This antibody recognises ovine, canine, feline and equine TSH beta which is a crucial hormone controlling thyroid functions.

**Application Notes:** This antibody is capable of detecting TSH beta in a couple of important veterinary species. It may be used in the identification and analysis of TSH as well as TSH tests in veterinary medicine and research (Ferguson, 2007). For instance, 14H9.E4 linked to agarose beads was used to putify heterodimeric feline TSH (Rayalam et al., 2006).

**Antibody First Published in:** Rayalam et al. Expression and purification of feline thyrotropin (fTSH): immunological detection and bioactivity of heterodimeric and yoked glycoproteins. Domest Anim Endocrinol. 2006 Mar;30(3):185-202. Epub 2005 Aug 10. [PMID:16125358](#)

**Note on publication:** This article describes the original application of this antibody in an immunopurification procedure.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.