

## Anti-Chorionic Gonadotropin/CGA Antibody (5Q170)

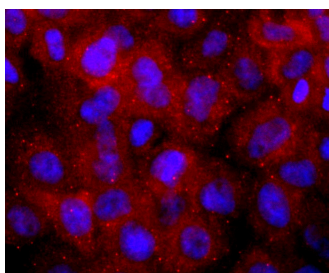
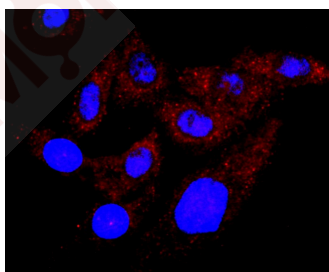
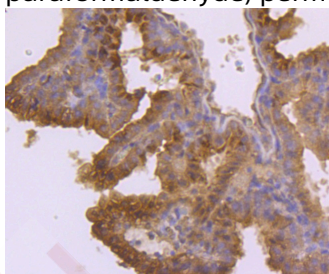
### Product Details

Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 42 kDa.
Clone:	5Q170

### Applications

#### Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-TSH antibody. Counter stained with hematoxylin.
2. ICC staining TSH in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
3. ICC staining TSH in JAR cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application:	ICC,IHC,WB
Recommended	WB: 1:1000; IHC: 1:50-200; ICC: 1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

---

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P01215

Synonyms: TSHA;LHA;glycoprotein hormones,  $\alpha$  polypeptide;HCG;CG- $\alpha$ ;FSHA;GPHa;FSH  $\alpha$ ;glycoprotein hormones, alpha polypeptide;GPHA1;FSH alpha;CG-ALPHA

---

### Research Background

Various hormones are secreted from the anterior pituitary during development and growth, including thyroid-stimulating hormone (TSH, also known as thyrotropin), follicle-stimulating hormone (FSH) and leutinizing hormone (LH). TSH, FSH, and LH are heterodimers formed from a common  $\alpha$  chain and a unique  $\beta$  chain. TSH is a glycoprotein involved in the control of thyroid structure and metabolism, which stimulates the release of the thyroid hormones. TSH $\beta$  is regulated by thyroid hormone (T3) and various retinoid compounds. TSH $\beta$  binds to the thyroid-stimulating hormone receptor (TSHR), which plays a major role in regulating thyroid function. TSHR is thought to exist in multiple glycosylation states. The third cytoplasmic loop of TSHR has been identified as critical for its role in regulating inositol phosphate and cAMP formation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481

---