A8322
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# TRH Rabbit pAb

**Catalog No.: A8322**

## Basic Information

**Observed MW**
27kDa

**Calculated MW**
27kDa

**Category**
Polyclonal Antibody

**Applications**
WB,IF/ICC,ELISA

**Cross-Reactivity**
Human,Mouse,Rat

## Background

This gene encodes a member of the thyrotropin-releasing hormone family. Cleavage of the encoded proprotein releases mature thyrotropin-releasing hormone, which is a tripeptide hypothalamic regulatory hormone. The human proprotein contains six thyrotropin-releasing hormone tripeptides. Thyrotropin-releasing hormone is involved in the regulation and release of thyroid-stimulating hormone, as well as prolactin. Deficiency of this hormone has been associated with hypothalamic hypothyroidism.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |
| **IF/ICC** | 1:100 - 1:500 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
7200

**Swiss Prot**
P20396

**Immunogen**
Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**
TRF; Pro-TRH; TRH

## Contact

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## Product Information

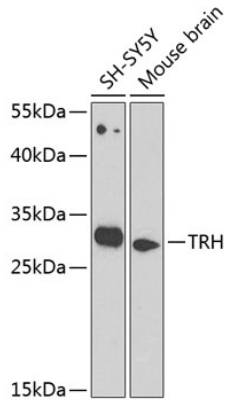
**Source**
Rabbit

**Isotype**
IgG

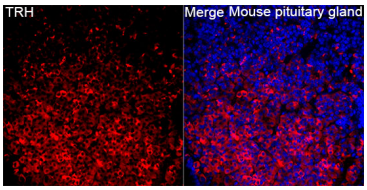
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data




Western blot analysis of various lysates using TRH Rabbit pAb (A8322) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.




Immunofluorescence analysis of Mouse pituitary gland tissue using TRH Rabbit pAb (A8322) at a dilution of 1:300 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.