

**TIP39/Tuberoinfundibular peptide Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57137**

**Specification**

**TIP39/Tuberoinfundibular peptide Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q96A98</a>
Reactivity	Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TIP39
Epitope Specificity	62-100/100
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic
SIMILARITY	Belongs to the parathyroid hormone family.
SUBUNIT	Ligand of high affinity for the PTH2 receptor (PTH2R).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

The phosphatase and tensin homolog (PTEN) gene encodes a tumor suppressor that functions by negatively regulating the AKT/PKB signaling pathway. A highly homologous processed pseudogene of PTEN is found on chromosome 9 and regulates PTEN by both sense and antisense RNAs (Gene ID: 101243555). This long-noncoding RNA (lncRNA) acts as a decoy for PTEN targeting microRNAs and also exerts a tumor suppressive activity. [provided by RefSeq, Apr 2013]

**TIP39/Tuberoinfundibular peptide Polyclonal Antibody - Additional Information**

**Gene ID** 113091

**Other Names**

Tuberoinfundibular peptide of 39 residues, TIP39, Parathyroid hormone 2, PTH2, TIP39, TIPF39

**Target/Specificity**

Highly expressed in fetal and adult brain, cerebellum and trachea. Weakly expressed in spinal cord, fetal liver, kidney and heart.

**Dilution**

IHC-P~~N/A

=<span class="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class="dilution\_IF">IF~~1:50~200</span><br \><span class="dilution\_ICC">ICC~~N/A</span><br \><span class="dilution\_E">E~~N/A</span>

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**TIP39/Tuberoinfundibular peptide Polyclonal Antibody - Protein Information**

**Name** PTH2

**Synonyms** TIP39, TIPF39

**Function**

Plays a role as a potent and selective agonist of PTH2R resulting in adenylyl cyclase activation and intracellular calcium levels elevation. Induces protein kinase C beta activation, recruitment of beta-arrestin and PTH2R internalization. May inhibit cell proliferation via its action on PTH2R activation. Neuropeptide which may also have a role in spermatogenesis. May activate nociceptors and nociceptive circuits.

**Cellular Location**

Secreted.

**Tissue Location**

Highly expressed in fetal and adult brain, cerebellum and trachea. Weakly expressed in spinal cord, fetal liver, kidney and heart.

**TIP39/Tuberoinfundibular peptide Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TIP39/Tuberoinfundibular peptide Polyclonal Antibody - Images**