

TTYH1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18295a

Specification

TTYH1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9H313
Other Accession	P0C5X8 , Q9D3A9 , Q9MZZ8 , Q2KJ98 , NP_001005367.1
Reactivity	Human
Predicted	Bovine, Monkey, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49051
Antigen Region	2-28

TTYH1 Antibody (N-term) - Additional Information

Gene ID 57348

Other Names

Protein tweety homolog 1, hTTY1, TTYH1

Target/Specificity

This TTYH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-28 amino acids from the N-terminal region of human TTYH1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TTYH1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TTYH1 Antibody (N-term) - Protein Information

Name TTYH1

Function Calcium-independent, swelling-dependent volume-regulated anion channel (VRAC-swell) which plays a pivotal role in the process of regulatory volume decrease (RVD) in the brain through the efflux of anions like chloride and organic osmolytes like glutamate.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

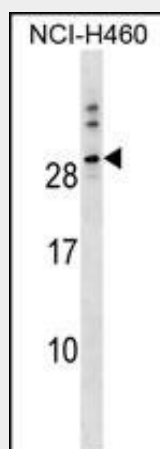
Expressed in brain, eye, ovary and testis, and at lower levels in muscle, placenta, liver and lung

TTYH1 Antibody (N-term) - 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](#)

TTYH1 Antibody (N-term) - Images



TTYH1 Antibody (N-term) (Cat. #AP18295a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the TTYH1 antibody detected the TTYH1 protein (arrow).

TTYH1 Antibody (N-term) - Background

This gene encodes a member of the tweety family of proteins. Members of this family function as chloride anion channels. The encoded protein functions as a calcium(2+)-independent, volume-sensitive large conductance chloride(-) channel. Two transcript variants encoding distinct isoforms have been identified for this gene.

TTYH1 Antibody (N-term) - References

He, Y., et al. J. Biol. Chem. 283(35):24000-24010(2008)

Suzuki, M., et al. J. Biol. Chem. 279(21):22461-22468(2004)
Campbell, H.D., et al. Genomics 68(1):89-92(2000)