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TTYH1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18295a

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
Clone Names	RB38374
Calculated MW	49051
Antigen Region	2-28

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.

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

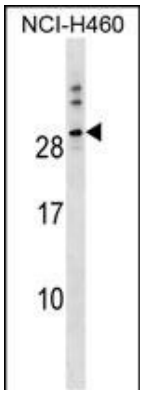
Background

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.

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)

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).