Datasheet for ABIN1881881

anti-TH antibody (C-Term)

4 Images | 1 Publication

Go to Product page

Overview

Quantity:	400 µL
Target:	TH
Binding Specificity:	AA 486-514, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This TH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 486-514 amino acids from the C-terminal region of human TH.
Clone:	RB21096
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification. Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)

Target Details

Target:	TH
Abstract:	TH Products
Background:	TH is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the

Target Details

	synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Synonyms: TH, TYH, Tyrosine 3-monooxygenase, Tyrosine 3-hydroxylase
NCBI Accession:	NP_954986, NP_954987, NP_000351
UniProt:	P07101

Application Details

Application Notes:	WB: 1:1000,IHC (p): 1:50-100,FACS: 1:10-50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Publications

Product cited in:	Dai, Liu, Liu, Zhang, Wang, Jin, Qian, Wang, Zhao, Wu, Xiong, Chang, Sun, Yang, Hoffman, Liu: " Anti-metastatic Efficacy of Traditional Chinese Medicine (TCM) Ginsenoside Conjugated to a VEFGR-3 Antibody on Human Gastric Cancer in an Orthotopic Mouse Model." in: **Anticancer research**, Vol. 37, Issue 3, pp. 979-986, (2017) (PubMed). Irrthum, Karkkainen, Devriendt, Alitalo, Vikkula: "Congenital hereditary lymphedema caused by a mutation that inactivates VEGFR3 tyrosine kinase." in: **American journal of human genetics**, Vol. 67, Issue 2, pp. 295-301, (2000) (PubMed).

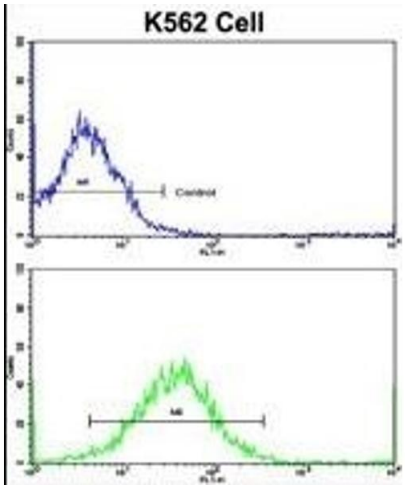
Publications

Galland, Karamysheva, Pebusque, Borg, Rottapel, Dubreuil, Rosnet, Birnbaum: "The FLT4 gene encodes a transmembrane tyrosine kinase related to the vascular endothelial growth factor receptor." in: **Oncogene**, Vol. 8, Issue 5, pp. 1233-40, (1993) (PubMed).

Pajusola, Aprelikova, Korhonen, Kaipainen, Pertovaara, Alitalo, Alitalo: "FLT4 receptor tyrosine kinase contains seven immunoglobulin-like loops and is expressed in multiple human tissues and cell lines." in: **Cancer research**, Vol. 52, Issue 20, pp. 5738-43, (1992) (PubMed).

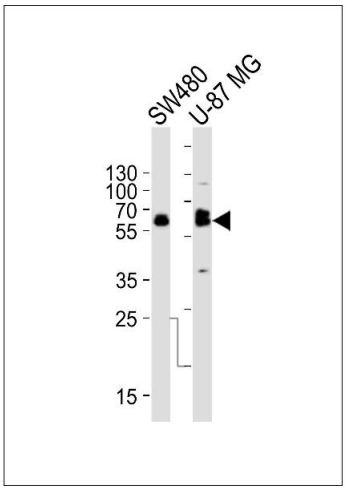
Galland, Karamysheva, Mattei, Rosnet, Marchetto, Birnbaum: "Chromosomal localization of FLT4, a novel receptor-type tyrosine kinase gene." in: **Genomics**, Vol. 13, Issue 2, pp. 475-8, (1992) (PubMed).

Images



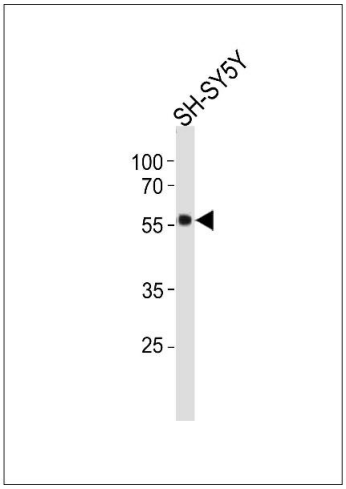
Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using TH Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of lysates from S, U-87 MG cell line (from left to right), using TH Antibody (C-term) (ABIN1881881 and ABIN2841134). (ABIN1881881 and ABIN2841134) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20 µg per lane.



Western Blotting

Image 3. TH Antibody (C-term) (ABIN1881881 and ABIN2841134) western blot analysis in SH-SY5Y cell line lysates (35 µg/lane).This demonstrates the TH antibody detected the TH protein (arrow).

Please check the product details page for more images. Overall 4 images are available for ABIN1881881.