KCTD16 Antibody

Catalog No: #42919

Package Size: #42919-1 50ul #42919-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

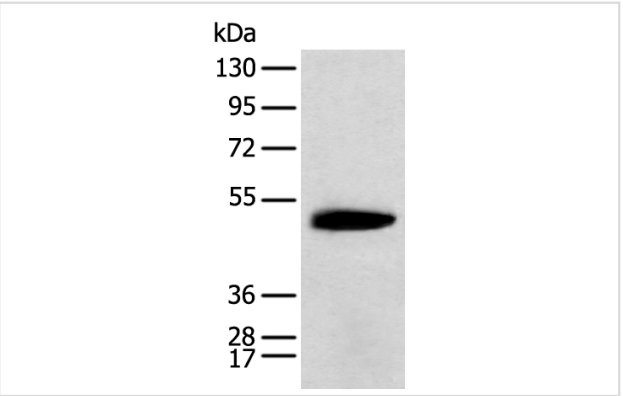
Product Name	KCTD16 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous levels of total KCTD16 protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human KCTD16
Conjugates	Unconjugated
Target Name	KCTD16
Other Names	BTB/POZ domain-containing protein KCTD16; DKFZp781A1155; KCD16; KCTD16; KIAA1317; MGC138167
Accession No.	Swiss-Prot#: Q68DU8Gene ID: 57528
Calculated MW	49kd
Concentration	1.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

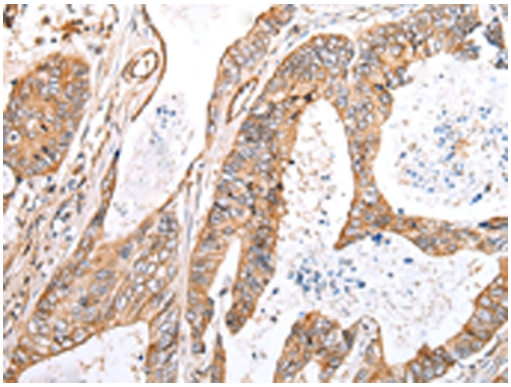
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

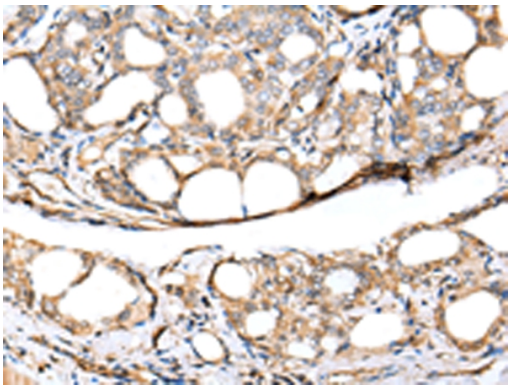
Images



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Mouse brain tissue
Primary antibody: 1/400 dilution
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 3 seconds



Immunohistochemical analysis of paraffin-embedded Human colorectal cancer tissue using #42919 at dilution 1/30.



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #42919 at dilution 1/30.

Background

The BTB (Broad-Complex, Tramtrack and Bric a brac) domain, also known as the POZ (Poxvirus and Zinc finger) domain, is an N-terminal homodimerization domain that contains multiple copies of kelch repeats and/or C2H2-type zinc fingers. Proteins that contain BTB domains are thought to be involved in transcriptional regulation via control of chromatin structure and function. KCTD16 (potassium channel tetramerisation domain containing 16), also known as BTB/POZ domain-containing protein KCTD16, is a 428 amino acid protein that contains one BTB (POZ) domain. An auxiliary subunit of GABAB R1 and GABAB R2, KCTD16 increases agonist potency and alters the G-protein signaling of the receptors by accelerating onset and promoting desensitization.

Published Papers

Menglong Wang;Tongrui Wang;Yang Liu;Lurong Zhou;Yuanping Yin;Feng Gu el at., Identification and study of mood-related biomarkers and potential molecular mechanisms in type 2 diabetes mellitus., , (2025)

PMID:39915429

Note: This product is for in vitro research use only and is not intended for use in humans or animals.