

Mouse anti-Human KCTD15 Monoclonal Antibody | anti-KCTD15 antibody

KCTD15 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48934	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

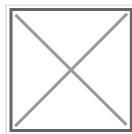
PRODUCT SYNONYMS

KCTD15; Monoclonal Antibody; KCTD15 antibody; BTB/POZ domain-containing protein KCTD15; MGC25497; MGC2628; anti-KCTD15 antibody

PRODUCT SPECIFICATIONS

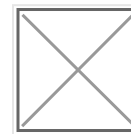
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT2B11
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	234
Applicable Applications for anti-KCTD15 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human KCTD15 (1-159aa) purified from E. coli.
Usage	The antibody has been tested by ELISA, Western blot, ICC/IF and FACS analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry analysis of KCTD15 in HeLa cells. The cell was stained with ATGA0121 at 2-5ug for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



IF (Immunofluorescence)

ICC/IF analysis of KCTD15 in HeLa cells. The cell was stained with AAA48934 (1:100). The secondary antibody (green) was used Alexa Fluor 488.



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KCTD15 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : HeLa cell lysate Lane 2 : NIH/3T3 cell lysate Lane 3 : K562 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-KCTD15 antibody	KCTD15 (Potassium channel tetramerisation domain containing 15, also known as BTB/POZ domain-containing protein KCTD15) is protein that in humans is encoded by the KCTD15 gene. KCTD15 is expressed at high level in brain and hypothalamus. The potassium channel KCTD15 was identified as a genetic loci associated with higher than normal body mass index (BMI) in humans along with genes such as GNPDA2, MTCH2, FTO, and TMEM18. Single nucleotide polymorphisms (SNPs) in non-diabetic and diabetic patients showed that FTO was most strongly associated with obesity while MTCH2 and GNPDA2 were still significantly associated with higher than normal BMI levels.
Product Categories/Family for anti-KCTD15 antibody	Neuroscience
References	Elks CE, et al. (2010) PLoS Med. 7 (5): e1000284.; Strausberg RL, et al. (2002) Proc. Natl. Acad. Sci. U.S.A, 99 (26): 16899-903.; Willer CJ, et al. (2010) Nat. Genet, 41 (1): 24-34.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194018439
NCBI GeneID	79047
NCBI Accession #	NP_076981
NCBI GenBank Nucleotide #	NM_024076.2
UniProt Accession #	Q96SI1; Q9BVI6; A8K600
NCBI Official Full Name	BTB/POZ domain-containing protein KCTD15 isoform 1
NCBI Official Synonym Full Names	potassium channel tetramerization domain containing 15
NCBI Official Symbol	KCTD15
NCBI Protein Information	BTB/POZ domain-containing protein KCTD15
UniProt Protein Name	BTB/POZ domain-containing protein KCTD15
UniProt Gene Name	KCTD15

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/kctd15-antibody-clone-at2b11-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/48934>