

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

KCTD15 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48077	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

KCTD15; Monoclonal Antibody; KCTD15 antibody; BTB/POZ domain-containing protein KCTD15; MGC25497; MGC2628; potassium channel tetramerisation domain containing 15; anti-KCTD15 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG3, gamma
Clone Number	AT4C3
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	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human KCTD15 (1-234) purified from E Coli
Clone Note	Anti-human KCTD15 mAb, clone AT4C3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human KCTD15 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of human HeLa cells stained with monoclonal anti-human KCTD15 antibody (1:500) with Texas Red (Red). Nucleus was stained by Hoechst 33342 (Blue).



WB (Western Blot)

Cell lysates of HeLa (35ug) were resolved by SDS-PAGE, transferred to NC 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. The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KCTD15 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : 293T cell lysate Lane 2 : KCTD15 Transfected 293T 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	Metabolism
References	Willer CJ, et al. (2010) Nat. Genet, 41 (1):24-34.; 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

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
Molecular Weight	26,476 Da
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-at4c3-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48077>