

## Product datasheet for **AM09364PU-S**

### **KCTD15 Mouse Monoclonal Antibody [Clone ID: AT4C3]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	AT4C3
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot</b> (1:250 - 1:1000). <b>Flow Cytometry.</b> <b>Immunofluorescence</b> (1:250 - 1:500).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Recombinant human KCTD15 (1-234aa) purified from E. coli
Specificity:	The antibody recognizes human KCTD15. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium channel tetramerization domain containing 15
Database Link:	<a href="#">Entrez Gene 79047 Human Q96S11</a>



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**Background:**

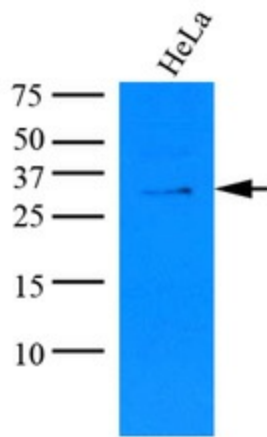
KCTD15 (Potassium channel tetramerisation domain containing 15, also known as BTB/POZ domain-containing protein KCTD15) is protein that in humans is encoded by the KCTD15 gene. KCTD15 is expressed at high level in brain and hypothalamus. The potassium channel KCTD15 was identified as a genetic loci associated 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.

**Synonyms:**

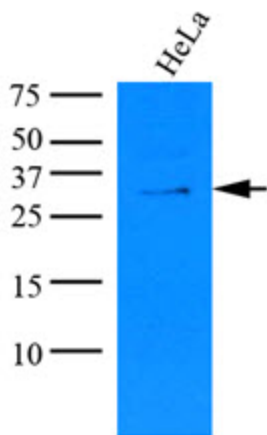
KCTD15, KCTD-15, BTB/POZ domain-containing protein KCTD15

**Protein Families:**

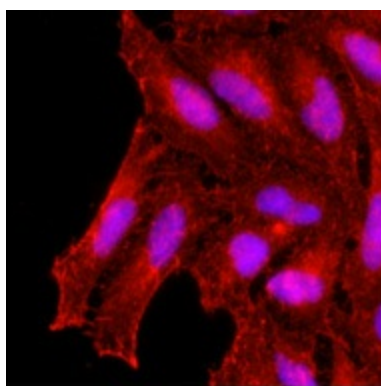
Ion Channels: Other

**Product images:**

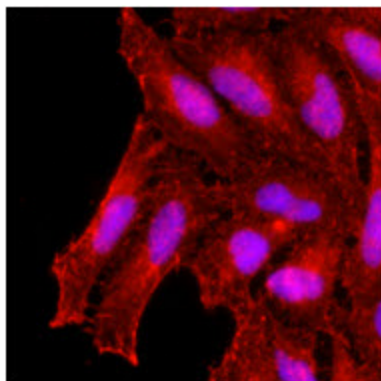
Cell lysates of HeLa (35ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human KCTD15 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis: Cell lysates of HeLa (35 ug) 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.



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).



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).