10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TAZ Antibody (monoclonal) (M19)

Mouse monoclonal antibody raised against a full length recombinant TAZ.
Catalog # AT4159a

Product Information

Application	IF, E
Primary Accession	Q16635
Other Accession	BC011515
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3C10
Calculated MW	30203

Additional Information

Gene ID	6901
Other Names	Tafazzin, Protein G45, TAZ, EFE2, G45
Target/Specificity	TAZ (AAH11515, 1 a.a. ~ 262 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TAZ Antibody (monoclonal) (M19) is for research use only and not for use in diagnostic or therapeutic procedures.

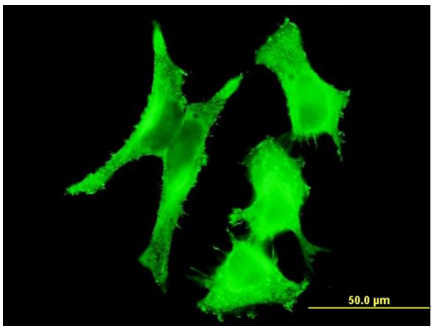
Background

This gene encodes a protein that is expressed at high levels in cardiac and skeletal muscle. Mutations in this gene have been associated with a number of clinical disorders including Barth syndrome, dilated cardiomyopathy (DCM), hypertrophic DCM, endocardial fibroelastosis, and left ventricular noncompaction (LVNC). Multiple transcript variants encoding different isoforms have been described. A long form and a short form of each of these isoforms is produced; the short form lacks a hydrophobic leader sequence and may exist as a cytoplasmic protein rather than being membrane-bound. Other alternatively spliced transcripts have been described but the full-length nature of all these transcripts is not known.

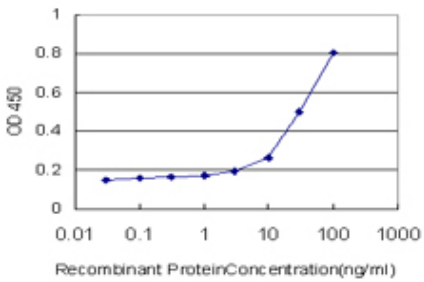
References

A novel custom resequencing array for dilated cardiomyopathy. Zimmerman RS, et al. Genet Med, 2010 May. PMID 20474083.Human transcriptional coactivator with PDZ-binding motif (TAZ) is downregulated during decidualization. Strakova Z, et al. Biol Reprod, 2010 Jun. PMID 20164440.Characterization of tafazzin splice variants from humans and fruit flies. Xu Y, et al. J Biol Chem, 2009 Oct 16. PMID 19700766.Mutations in TAZ/WWTR1, a co-activator of NKX2.1 and PAX8 are not a frequent cause of thyroid dysgenesis. Ferrara AM, et al. J Endocrinol Invest, 2009 Mar. PMID 19542741.TEAD transcription factors mediate the function of TAZ in cell growth and epithelial-mesenchymal transition. Zhang H, et al. J Biol Chem, 2009 May 15. PMID 19324877.

Images



Immunofluorescence of monoclonal antibody to TAZ on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged TAZ is approximately 10ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.