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TAZ Antibody (monoclonal) (M19)

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

Specification

TAZ Antibody (monoclonal) (M19) - Product Information

Application	**IF, E**
Primary Accession	Q16635
Other Accession	BC011515
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**30203**

TAZ Antibody (monoclonal) (M19) - 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.

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.

TAZ Antibody (monoclonal) (M19) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety

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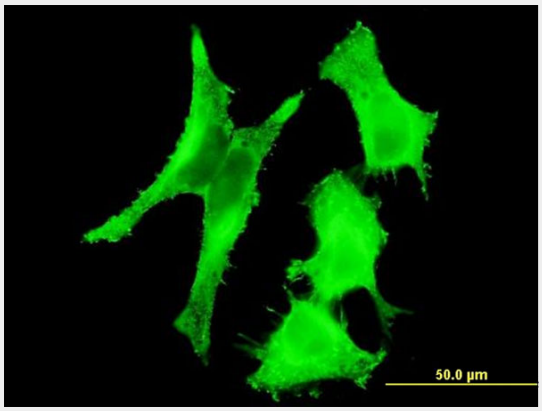
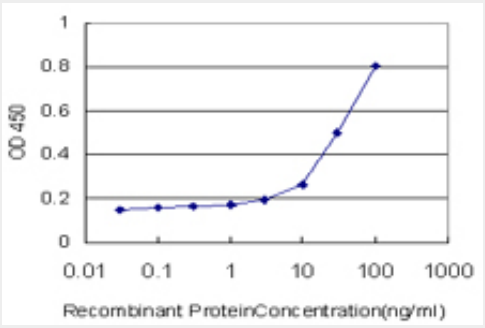
- Cell Culture

TAZ Antibody (monoclonal) (M19) - 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.

TAZ Antibody (monoclonal) (M19) - 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.

TAZ Antibody (monoclonal) (M19) - 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.