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ZNF397 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant ZNF397.
Catalog # AT4636a

Specification

ZNF397 Antibody (monoclonal) (M02) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	Q8NF99
Other Accession	NM_032347
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**61139**

ZNF397 Antibody (monoclonal) (M02) - Additional Information

Gene ID 84307

Other Names
Zinc finger protein 397, Zinc finger and SCAN domain-containing protein 15, Zinc finger protein 47, ZNF397, ZNF47, ZSCAN15

Target/Specificity
ZNF397 (NP_115723.1, 131 a.a. ~ 230 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

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
ZNF397 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

ZNF397 Antibody (monoclonal) (M02) - Protocols

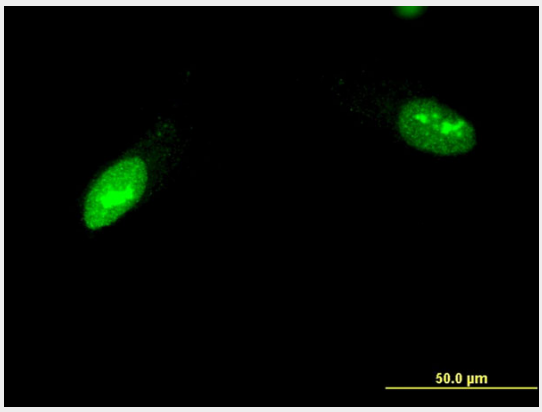
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

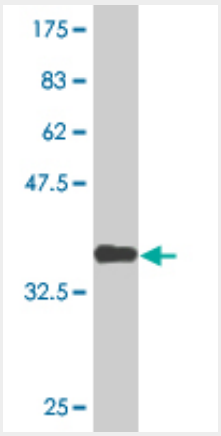
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

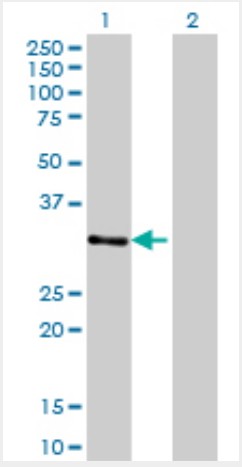
ZNF397 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to ZNF397 on HeLa cell . [antibody concentration 10 ug/ml]



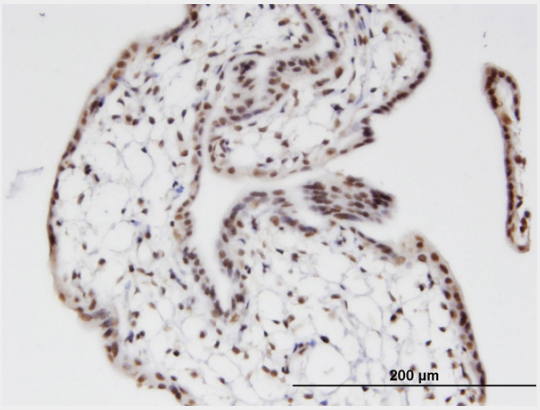
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



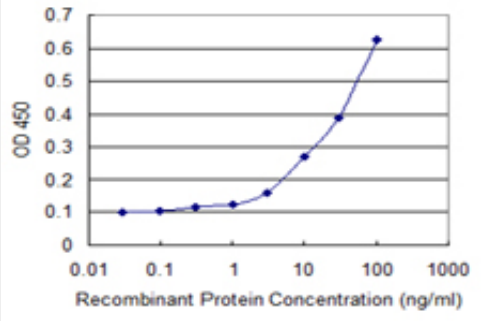
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Western Blot analysis of ZNF397 expression in transfected 293T cell line by ZNF397 monoclonal antibody (M02), clone 1F8.

Lane 1: ZNF397 transfected lysate(31.1 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to ZNF397 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged ZNF397 is 1 ng/ml as a capture antibody.

ZNF397 Antibody (monoclonal) (M02) - Background

This gene encodes a protein with a N-terminal SCAN domain, and the longer isoform contains nine C2H2-type zinc finger repeats in the C-terminal domain. The protein localizes to centromeres during interphase and early prophase, and different isoforms can repress or activate transcription in transfection studies. Multiple transcript variants encoding different isoforms have been found for this gene. Additional variants have been described, but their biological validity has not been determined.

ZNF397 Antibody (monoclonal) (M02) - References

ZNF397, a new class of interphase to early prophase-specific, SCAN-zinc-finger, mammalian centromere protein. Bailey SL, et al. Chromosoma, 2008 Aug. PMID 18369653.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.