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HELZ Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant HELZ.
Catalog # AT2349a

Specification

HELZ Antibody (monoclonal) (M04) - Product Information

Application	**WB, E**
Primary Accession	P42694
Other Accession	NM_014877
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**218970**

HELZ Antibody (monoclonal) (M04) - Additional Information

Gene ID 9931

Other Names
Probable helicase with zinc finger domain, 364-, Down-regulated in human cancers protein, HELZ, DRHC, KIAA0054

Target/Specificity
HELZ (NP_055692, 1 a.a. ~ 100 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
HELZ Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

HELZ Antibody (monoclonal) (M04) - Protocols

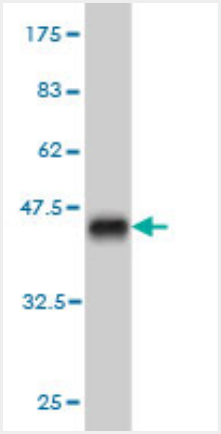
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

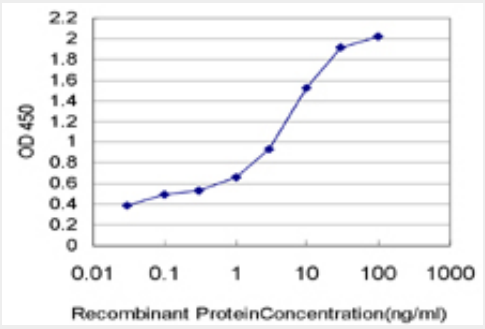
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HELZ Antibody (monoclonal) (M04) - Images



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



Detection limit for recombinant GST tagged HELZ is approximately 0.03ng/ml as a capture antibody.

HELZ Antibody (monoclonal) (M04) - Background

HELZ is a member of the superfamily I class of RNA helicases. RNA helicases alter the conformation of RNA by unwinding double-stranded regions, thereby altering the biologic activity of the RNA molecule and regulating access to other proteins (Wagner et al., 1999 [PubMed 10471385]).

HELZ Antibody (monoclonal) (M04) - References

Analysis of multiple candidate genes in association with phenotypes of multiple sclerosis. Sombekke MH, et al. Mult Scler, 2010 Jun. PMID 20378664.Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions. Suzuki Y, et al. Genome Res, 2004 Sep. PMID 15342556.Large-scale characterization of HeLa cell nuclear phosphoproteins. Beausoleil SA, et al. Proc Natl Acad Sci U S A, 2004 Aug 17. PMID 15302935.SMYD3 encodes a histone methyltransferase involved in the proliferation of cancer cells. Hamamoto R, et al. Nat Cell Biol, 2004 Aug. PMID 15235609.Down-regulation in human cancers of DRHC, a novel helicase-like gene from 17q25.1 that inhibits cell growth. Nagai H, et al. Cancer Lett, 2003 Apr 10. PMID 12691822.