

## HELZ Antibody (monoclonal) (M04)

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

#### Specification

## HELZ Antibody (monoclonal) (M04) - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Calculated MW WB, E <u>P42694</u> <u>NM\_014877</u> Human mouse Monoclonal IgG2a Kappa 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 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** 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.

- <u>Western Blot</u>
- Blocking Peptides



- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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.