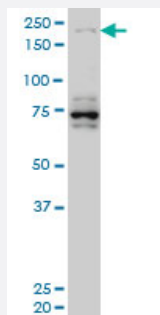


HELZ monoclonal antibody (M02), clone 5B2

Catalog # H00009931-M02

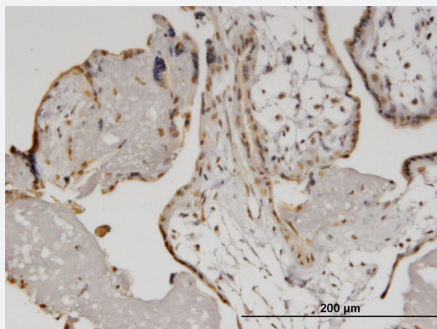
Size 100 ug

Applications



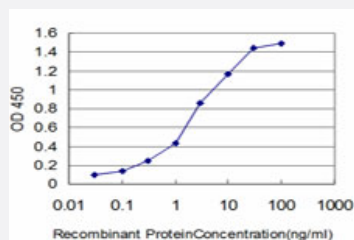
Western Blot (Cell lysate)

HELZ monoclonal antibody (M02), clone 5B2 Western Blot analysis of HELZ expression in HeLa S3 NE (Cat # L013V3).



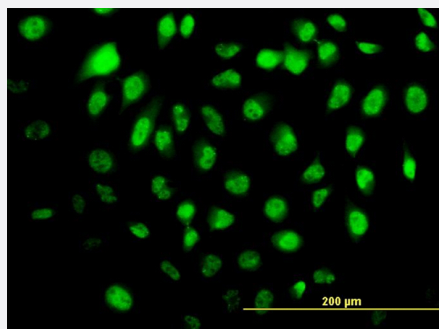
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to HELZ on formalin-fixed paraffin-embedded human placenta. [antibody concentration 1 ug/ml]



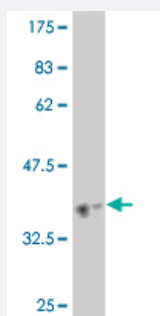
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HELZ.
Immunogen	HELZ (NP_055692, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MEDRRAEKSCEQACESLKRQDYEMALKHCTEALLSLGQYSMAFTGPCPLEIERIKIESLLYRIAS FLQLKNYVQAEDDCRHVLGEGLAKGEDAFRAVLC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (89)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

HELZ monoclonal antibody (M02), clone 5B2 Western Blot analysis of HELZ expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — HELZ

Entrez GeneID	9931
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GeneBank Accession#	NM_014877
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Protein Accession#	NP_055692
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Gene Name	HELZ
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Gene Alias	DHRC, DKFZp586G1924, DRHC, HUMORF5, KIAA0054, MGC163454
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Gene Description	helicase with zinc finger
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Omim ID	606699
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Gene Ontology

[Hyperlink](#)

Gene Summary

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]).[supplied by OMIM]

Other Designations

down-regulated in human cancers|helicase with zinc finger domain

Publication Reference

- [The Putative RNA Helicase HELZ Promotes Cell Proliferation, Translation Initiation and Ribosomal Protein S6 Phosphorylation.](#)

Hasgall PA, Hoogewijs D, Faza MB, Panse VG, Wenger RH, Camenisch G.

PLoS One 2011 Jul; 6(7):e22107.

Application: IF, WB-Ce, WB-Tr, Human, HEK293, MCF-7, HeLa cells