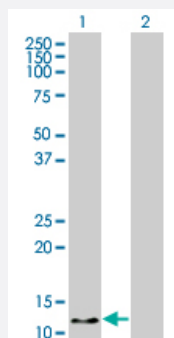


# HBZ monoclonal antibody (M03), clone 1G10

Catalog # H00003050-M03

Size 100 ug

## Applications

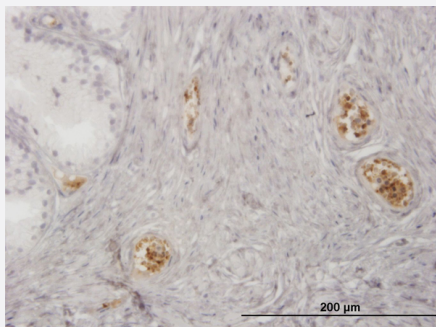


### Western Blot (Transfected lysate)

Western Blot analysis of HBZ expression in transfected 293T cell line by HBZ monoclonal antibody (M03), clone 1G10.

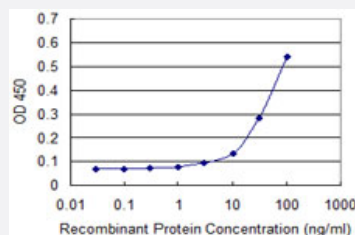
Lane 1: HBZ transfected lysate (15.6 KDa).

Lane 2: Non-transfected lysate.



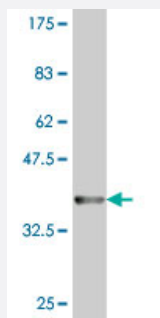
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HBZ is approximately 10ng/ml as a capture antibody.



Western Blot detection against Immunogen (34.91 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full length recombinant HBZ.
<b>Immunogen</b>	HBZ (NP_005323, 1 a.a. ~ 81 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MSLTKTERTIVSMWAKISTQADTIGTETLERLFLSHPQTKTYFPFHLHPGSAQLRAHGSKVVAAGDAVKSIDDIGGAL
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2b Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.91 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of HBZ expression in transfected 293T cell line by HBZ monoclonal antibody (M03), clone 1G10.

Lane 1: HBZ transfected lysate(15.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HBZ is approximately 10ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — HBZ

Entrez GeneID [3050](#)

GeneBank Accession# [NM\\_005332](#)

Protein Accession# [NP\\_005323](#)

Gene Name HBZ

Gene Alias -

Gene Description hemoglobin, zeta

Omim ID [142310](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Zeta-globin is an alpha-like hemoglobin. The zeta-globin polypeptide is synthesized in the yolk sac of the early embryo, while alpha-globin is produced throughout fetal and adult life. The zeta-globin gene is a member of the human alpha-globin gene cluster that includes five functional genes and two pseudogenes. The order of genes is: 5' - zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta1 - 3'. [provided by RefSeq]

**Other Designations** zeta globin