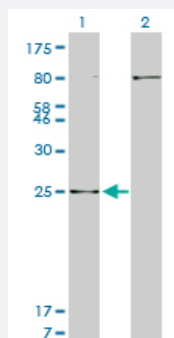


HOXB7 monoclonal antibody (M04), clone 5B2

Catalog # H00003217-M04

Size 100 ug

Applications

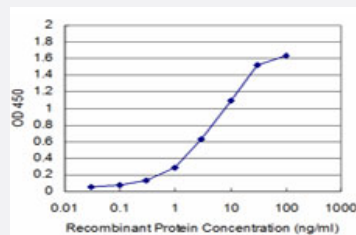


Western Blot (Transfected lysate)

Western Blot analysis of HOXB7 expression in transfected 293T cell line by HOXB7 monoclonal antibody (M04), clone 5B2.

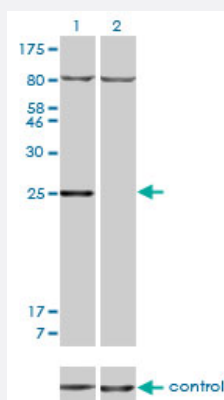
Lane 1: HOXB7 transfected lysate(24 KDa).

Lane 2: Non-transfected lysate.



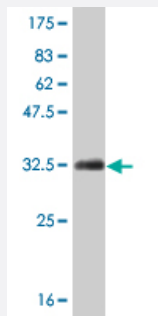
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXB7 is approximately 0.1ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of HOXB7 over-expressed 293 cell line, cotransfected with HOXB7 Validated Chimera RNAi (Cat # H00003217-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HOXB7 monoclonal antibody (M04), clone 5B2 (Cat # H00003217-M04). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (33 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HOXB7.
Immunogen	HOXB7 (NP_004493, 55 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MQGLYPGGGMAGQSAAGVYAAGYGLEPSSFNMHCAPEQNLSGVCPGDSAKAAGAKEQRD SDLAA
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33 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 (Transfected lysate)

Western Blot analysis of HOXB7 expression in transfected 293T cell line by HOXB7 monoclonal antibody (M04), clone 5B2.

Lane 1: HOXB7 transfected lysate(24 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXB7 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of HOXB7 over-expressed 293 cell line, cotransfected with HOXB7 Validated Chimera RNAi (Cat # H00003217-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HOXB7 monoclonal antibody (M04), clone 5B2 (Cat # H00003217-M04). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — HOXB7

Entrez GeneID [3217](#)

GeneBank Accession# [NM_004502](#)

Protein Accession# [NP_004493](#)

Gene Name HOXB7

Gene Alias HHO.C1, HOX2, HOX2C, Hox-2.3

Gene Description homeobox B7

Omim ID [142962](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the Antp homeobox family and encodes a protein with a homeobox DN A-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of melanoma and ovarian carcinoma. [provided by RefSeq]

Other Designations homeo box 2C|homeo box B7|homeo box c1 protein

Disease

- [Hirschsprung Disease](#)