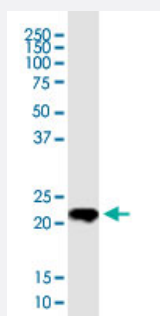


TWIST1 monoclonal antibody (M01), clone 3E11

Catalog # H00007291-M01

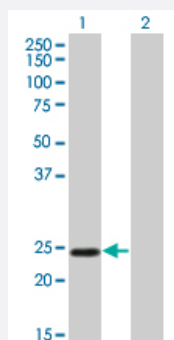
Size 100 ug

Applications



Western Blot (Tissue lysate)

TWIST1 monoclonal antibody (M01), clone 3E11. Western Blot analysis of TWIST1 expression in rat testis.

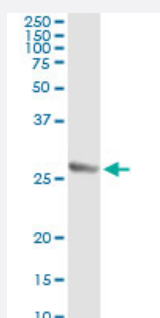


Western Blot (Transfected lysate)

Western Blot analysis of TWIST1 expression in transfected 293T cell line by TWIST1 monoclonal antibody (M01), clone 3E11.

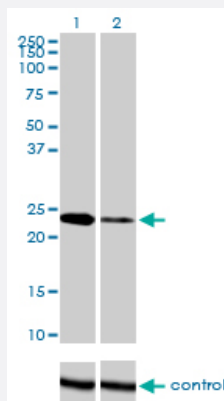
Lane 1: TWIST1 transfected lysate(21 KDa).

Lane 2: Non-transfected lysate.



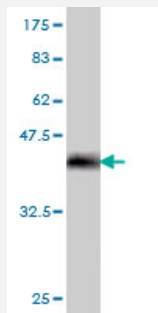
Immunoprecipitation

Immunoprecipitation of TWIST1 transfected lysate using anti-TWIST1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TWIST1 MaxPab rabbit polyclonal antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of TWIST1 over-expressed 293 cell line, cotransfected with TWIST1 Validated Chimera RNAi (Cat # H00007291-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TWIST1 monoclonal antibody (M01), clone 3E11 (Cat # H00007291-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (37.07 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TWIST1.
Immunogen	TWIST1 (NP_000465, 100 a.a. ~ 202 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PQSYEELQTQRVMANVRERQRTQSLNEAFAALRKIIPTLP SDKLSKIQTCLKLAARYIDFLYQVLQSD ELDSKMASC SYVAHERLSYAFSVWRMEGAWSMSASH
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.07 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 (Tissue lysate)

TWIST1 monoclonal antibody (M01), clone 3E11. Western Blot analysis of TWIST1 expression in rat testis.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of TWIST1 expression in transfected 293T cell line by TWIST1 monoclonal antibody (M01), clone 3E11.

Lane 1: TWIST1 transfected lysate(21 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of TWIST1 transfected lysate using anti-TWIST1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with TWIST1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of TWIST1 over-expressed 293 cell line, cotransfected with TWIST1 Validated Chimera RNAi (Cat # H00007291-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TWIST1 monoclonal antibody (M01), clone 3E11 (Cat # H00007291-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — TWIST1

Entrez GeneID	7291
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GeneBank Accession#	NM_000474
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Protein Accession#	NP_000465
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Gene Name	TWIST1
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Gene Alias	ACS3, BPES2, BPES3, SCS, TWIST, bHLHa38
Gene Description	twist homolog 1 (Drosophila)
Omim ID	101400 601622
Gene Ontology	Hyperlink
Gene Summary	Basic helix-loop-helix (bHLH) transcription factors have been implicated in cell lineage determination and differentiation. The protein encoded by this gene is a bHLH transcription factor and share s similarity with another bHLH transcription factor, Dermo1. The strongest expression of this mRNA is in placental tissue; in adults, mesodermally derived tissues express this mRNA preferentially. Mutations in this gene have been found in patients with Saethre-Chotzen syndrome. [provided by RefSeq
Other Designations	B-HLH DNA binding protein H-twist TWIST homolog of drosophila twist

Publication Reference

- [Hsp90 \$\beta\$ promotes aggressive vasculogenic mimicry via epithelial-mesenchymal transition in hepatocellular carcinoma.](#)

Meng J, Chen S, Lei YY, Han JX, Zhong WL, Wang XR, Liu YR, Gao WF, Zhang Q, Tan Q, Liu HJ, Zhou HG, Sun T, Yang C. Oncogene 2018 Aug; [Epub].

Application: IF, IP-WB, WB-Tr, Human, PLC-PRF-5, SMMC-7721 cells

- [Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma.](#)

Kahn SA, Wang X, Nitta RT, Gholamin S, Theruvath J, Hutter G, Azad TD, Wadi L, Bolin S, Ramaswamy V, Esparza R, Liu KW, Edwards M, Swartling FJ, Sahoo D, Li G, Wechsler-Reya RJ, Reimand J, Cho YJ, Taylor MD, Weissman IL, Mitra SS, Cheshier SH.

Nature Communications 2018 Oct; 9(1):4121.

Application: WB, Human, D425 cells

- [Cellular migration and invasion uncoupled: Increased migration is not an inexorable consequence of EMT.](#)

Schaeffer D, Somarelli JA, Hanna G, Palmer GM, Garcia-Blanco MA.

Molecular and Cellular Biology 2014 Sep; 34(18):3486.

Application: IF, Human, HMLE-TWIST1 cells

- [EMT and induction of miR-21 mediate metastasis development in Trp53-deficient tumours.](#)

Bornachea O, Santos M, Martínez-Cruz AB, García-Escudero R, Dueñas M, Costa C, Segrelles C, Lorz C, Buitrago A, Saiz-Ladera C, Agirre X, Grande T, Paradelo B, Maraver A, Ariza JM, Prosper F, Serrano M, Sánchez-Céspedes M, Paramio JM.

Scientific Reports 2012 May; 2:434.

Application: WB, Human, PB cells

- [Conversion of Helicobacter pylori CagA from senescence inducer to oncogenic driver through polarity-dependent regulation of p21.](#)

Saito Y, Murata-Kamiya N, Hirayama T, Ohba Y, Hatakeyama M.

The Journal of Experimental Medicine 2010 Sep; 207(10):2157.

Application: WB-Ce, Dog, MDCK-WT-CagA cells

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Chromosome Aberrations](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniosynostoses](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)