

TWIST2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant TWIST2.

Catalog # AT4412a

Specification

TWIST2 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC
Primary Accession	Q8WVJ9
Other Accession	BC033168
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	18124

TWIST2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 117581

Other Names

Twist-related protein 2, Class A basic helix-loop-helix protein 39, bHLHa39, Dermis-expressed protein 1, Dermo-1, TWIST2, BHLHA39, DERMO1

Target/Specificity

TWIST2 (AAH33168, 1 a.a. ~ 160 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

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

TWIST2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

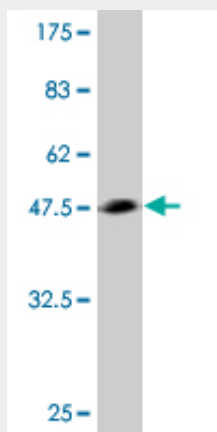
TWIST2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

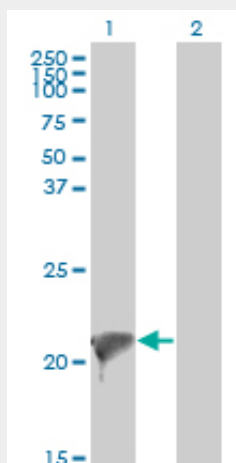
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TWIST2 Antibody (monoclonal) (M01) - Images



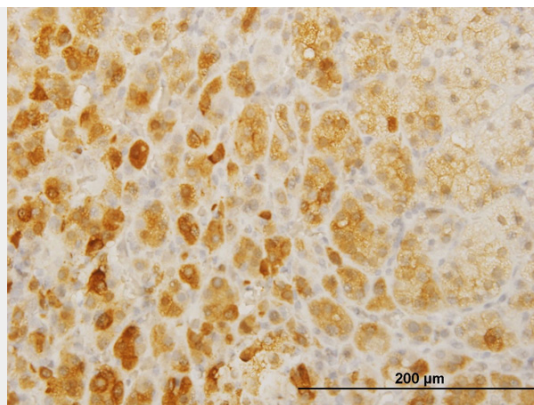
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.34 kDa) .



Western Blot analysis of TWIST2 expression in transfected 293T cell line by TWIST2 monoclonal antibody (M01), clone 3C8.

Lane 1: TWIST2 transfected lysate (18.1 kDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to TWIST2 on formalin-fixed paraffin-embedded human adrenal gland. [antibody concentration 3 ug/ml]

TWIST2 Antibody (monoclonal) (M01) - Background

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 shares similarity with another bHLH transcription factor, Twist. It is thought that during osteoblast development this protein may inhibit osteoblast maturation and maintain cells in a preosteoblast phenotype.

TWIST2 Antibody (monoclonal) (M01) - References

1. Epithelial-mesenchymal transition-like events in vulvar cancer and its relation with HPV. Rodrigues IS, Lavorato-Rocha AM, de M Maia B, Stiepcich MM, de Carvalho FM, Baiocchi G, Soares FA, Rocha RMB. *J Cancer*. 2013 Jul 9;109(1):184-94. doi: 10.1038/bjc.2013.273. Epub 2013 Jun 18.
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3. Significance of heterogeneous twist2 expression in human breast cancers. Mao Y, Zhang N, Xu J, Ding Z, Zong R, Liu Z. *PLoS One*. 2012;7(10):e48178. doi: 10.1371/journal.pone.0048178. Epub 2012 Oct 25.
4. Discordant Gene Expression Signatures and Related Phenotypic Differences in Lamin A- and A/C-Related Hutchinson-Gilford Progeria Syndrome (HGPS). Plasilova M, Chattopadhyay C, Ghosh A, Wenzel F, Demougin P, Noppen C, Schaub N, Szinnai G, Terracciano L, Heinemann K. *PLoS One*. 2011;6(6):e21433. Epub 2011 Jun 27.
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6. Interleukin 17 acts in synergy with B cell-activating factor to influence B cell biology and the pathophysiology of systemic lupus erythematosus. Doreau A, Belot A, Bastid J, Riche B, Trescol-Biemont MC, Ranchin B, Fabien N, Cochat P, Pouteil-Noble C, Trolliet P, Durieu I, Tebib J, Kassai B, Ansieau S, Puisieux A, Eliaou JF, Bonnefoy-Berard N. *Nat Immunol*. 2009 Jul;10(7):778-85. Epub 2009 May 31.
7. Molecular mechanism of transforming growth factor-beta-mediated inhibition of growth arrest and differentiation in a myoblast cell line. Murakami M, Ohkuma M, Nakamura M. *Dev Growth Differ*. 2008 Feb;50(2):121-30.