

TWIST Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51996**Specification**

TWIST Antibody - Product Information

Application	WB, E
Primary Accession	Q15672
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21 KDa

TWIST Antibody - Additional Information**Gene ID** 7291**Other Names**

Twist-related protein 1, Class A basic helix-loop-helix protein 38, bHLHa38, H-twist, TWIST1, BHLHA38, TWIST

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

TWIST Antibody - Protein Information**Name** TWIST1**Synonyms** BHLHA38, TWIST**Function**

Acts as a transcriptional regulator. Inhibits myogenesis by sequestering E proteins, inhibiting trans-activation by MEF2, and inhibiting DNA-binding by MYOD1 through physical interaction. This interaction probably involves the basic domains of both proteins. Also represses expression of pro-inflammatory cytokines such as TNFA and IL1B. Regulates cranial suture patterning and fusion. Activates transcription as a heterodimer with E proteins. Regulates gene expression differentially, depending on dimer composition. Homodimers induce expression of FGFR2 and POSTN while heterodimers repress FGFR2 and POSTN expression and induce THBS1 expression. Heterodimerization is also required for osteoblast differentiation. Represses the activity of the circadian transcriptional activator: NPAS2-BMAL1 heterodimer (By similarity).

Cellular Location

Nucleus.

Tissue Location

Subset of mesodermal cells.

TWIST Antibody - 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](#)

TWIST Antibody - Images

TWIST Antibody - Background

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TWIST Antibody - References

Wang S.M., et al. Gene 187:83-92(1997).
Bourgeois P., et al. Mamm. Genome 7:915-917(1996).
Howard T.D., et al. Nat. Genet. 15:36-41(1997).
Krebs I., et al. Hum. Mol. Genet. 6:1079-1086(1997).
Hillier L.W., et al. Nature 424:157-164(2003).