

TWIST protein Antibody FITC Conjugated

Catalog No: #C04108F

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Description

Product Name	TWIST protein Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 108-150 202 derived from human TWIST
Conjugates	FITC
Target Name	TWIST
Other Names	CRS; SCS; ACS3; CRS1; BPES2; BPES3; TWIST; bHLHa38; Twist-related protein 1; Class A basic helix-loop-helix protein 38; H-twist; TWIST1
Accession No.	Swiss-Prot#Q15672NCBI Gene ID7291
Uniprot	Q15672
GeneID	7291;
Excitation Emission	494nm 518nm
Cell Localization	Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

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 proinflammatory 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-ARNTL BMAL1 heterodimer (By similarity).

Note: This product is for in vitro research use only