

Rabbit Twist2 Polyclonal Antibody | anti-Twist2 antibody

Twist2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31341	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Sheep (100%), Rabbit (92%), Dog (100%)	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

Twist2; Polyclonal Antibody; Twist2 Antibody; bHLHa39; Class A basic helix-loop-helix protein 39; Dermis expressed protein 1; Dermis-expressed protein 1; DERMO 1; Dermo-1; DERMO1; MGC117334; Twist 2; Twist homolog 2 (Drosophila); Twist homolog 2; Twist related bHLH protein Dermo1; Twist related protein 2; Twist-related protein 2; TWST2_HUMAN; anti-Twist2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Sheep (100%), Rabbit (92%), Dog (100%)
Clonality	Polyclonal
Isotype	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Specificity	Twist2 Antibody detects endogenous levels of total Twist2. Tissue Specificity: In the embryo, highly expressed in chondrogenic cells. In embryonic skin, expressed in the undifferentiated mesenchymal layer beneath the epidermis which later develops into the dermis. Expressed in early myeloid cells but not in lymphoid cells in the liver. Expression also detected in the secretory ependymal epithelium of the choroid plexus primordium. In the adult, expressed in secreting glandular tissues and tubules.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Twist2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA (Peptide ELISA)
Application Notes	WB: 1:500-1:1000 IF/ICC: 1:100-1:500 IHC: 1:50-1:200 Peptide ELISA: 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human Twist2, corresponding to a region within N-terminal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Efficient DNA binding requires dimerization with another bHLH protein. Forms a heterodimer with TCF3/E12. Also interacts with MEF2C (By similarity).
Subcellular Location	Nucleus. Cytoplasm. Note: Mainly nuclear during embryonic development. Cytoplasmic in adult tissues.
Preparation and Storage	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

IMAGES



Application Data

At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

At 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from A549, Hela and 3T3 cells using Twist2 Antibody



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using Twist2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-Twist2 antibody	Binds to the E-box consensus sequence 5'-CANNTG-3' as a heterodimer and inhibits transcriptional activation by MYOD1, MYOG, MEF2A and MEF2C. Also represses expression of proinflammatory cytokines such as TNFA and IL1B. Involved in postnatal glycogen storage and energy metabolism (By similarity). Inhibits the premature or ectopic differentiation of preosteoblast cells during osteogenesis, possibly by changing the internal signal transduction response of osteoblasts to external growth factors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	429325228
NCBI GeneID	117581
NCBI Accession #	NP_001258822.1
NCBI GenBank Nucleotide #	NM_001271893.3
UniProt Accession #	Q8WVJ9; Q3SYL6
Molecular Weight	18,124 Da
NCBI Official Full Name	twist-related protein 2
NCBI Official Synonym Full Names	twist family bHLH transcription factor 2
NCBI Official Symbol	TWIST2
NCBI Official Synonym Symbols	AMS; FFDD3; BBRSAY; Dermo1; SETLSS; bHLHa39
NCBI Protein Information	twist-related protein 2
UniProt Protein Name	Twist-related protein 2
UniProt Gene Name	Twist2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/twist2-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-peptide-elisa-elisa/31341>