

TWIST2 Antibody (clone 3C8)
Mouse Monoclonal Antibody
Catalog # ALS13506**Specification**

TWIST2 Antibody (clone 3C8) - Product Information

Application	WB, IHC
Primary Accession	Q8WVJ9
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	18kDa KDa

TWIST2 Antibody (clone 3C8) - 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

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

TWIST2 Antibody (clone 3C8) is for research use only and not for use in diagnostic or therapeutic procedures.

TWIST2 Antibody (clone 3C8) - Protein Information**Name** TWIST2**Synonyms** BHLHA39, DERMO1**Function**

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 pro-inflammatory 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.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981, ECO:0000269|PubMed:11062344}.
Cytoplasm Note=Mainly nuclear during embryonic development. Cytoplasmic in adult tissues

Tissue Location

In the embryo, highly expressed in chondrogenic cells. In embryonic skin, expressed in the

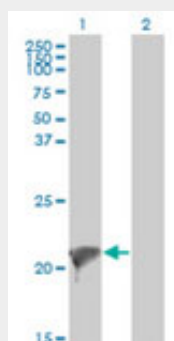
undifferentiated mesenchymal layer beneath the epidermis which later develops into the dermis. Expressed in early myeloid cells but not in lymphoid cells in the liver. Expression also detected in the secretory ependymal epithelium of the choroid plexus primordium. In the adult, expressed in secreting glandular tissues and tubules.

TWIST2 Antibody (clone 3C8) - Protocols

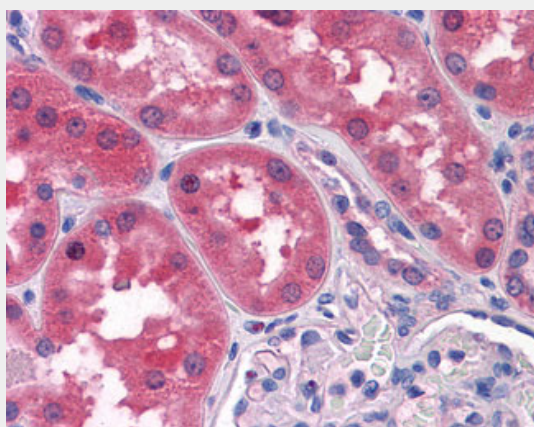
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

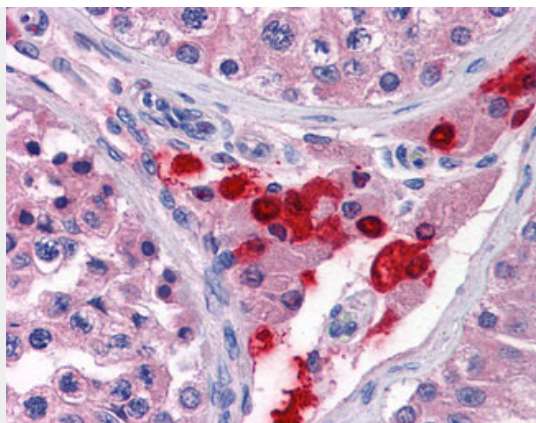
TWIST2 Antibody (clone 3C8) - Images



Western blot of TWIST2 expression in transfected 293T cell line by TWIST2 monoclonal antibody,...



Anti-TWIST2 antibody IHC of human kidney.



Anti-TWIST2 antibody IHC of human testis.

TWIST2 Antibody (clone 3C8) - Background

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.

TWIST2 Antibody (clone 3C8) - References

Lee M.S.,et al.Bone 27:591-602(2000).
Tukel T.,et al.Am. J. Hum. Genet. 87:289-296(2010).