

For Research Use Only

# TWIST1 Polyclonal ANTIBODY



Catalog Number: 18125-1-AP **17 Publications**

## Basic Information

<b>Catalog Number:</b> 18125-1-AP	<b>GenBank Accession Number:</b> BC036704	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 167 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7291	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> twist homolog 1 (Drosophila)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 202 aa, 21 kDa	
<b>Immunogen Catalog Number:</b> AG12700	<b>Observed MW:</b> 22 kDa, 28 kDa, 45-60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: PC-3 cells, MCF-7 cells, SGC-7901 cells
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse, rat	

## Background Information

TWIST1, a basic helix-loop-helix protein which acts as a transcriptional regulator, plays a central role in differentiation of mesodermal during embryogenesis. It is also implicated in tumorigenesis, invasion and metastasis. TWIST1 forms both homodimers(45KD) and heterodimers with E2A E proteins, and dimer partner selection is a critical mediator of TWIST function. (PMID:14724576, 16502419).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhaowen Wang	27628214	Sci Rep	WB
Hongda Liu	28295012	Sci Rep	WB
Ning Ao	24969755	Cell Physiol Biochem	WB

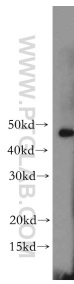
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 18125-1-AP (TWIST1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.