

TBX6 Polyclonal antibody

Catalog Number: 12447-1-AP

Basic Information

Catalog Number:

12447-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3050

GenBank Accession Number:

BC026031

GeneID (NCBI):

6911

UNIPROT ID:

O95947

Full Name:

T-box 6

Calculated MW:

436 aa, 47 kDa

Observed MW:

58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, A375 cells, A549 cells, human lung tissue, human placenta tissue, mouse lung tissue, Raji cells

IP : human placenta tissue,

Background Information

TBX6, also named as T-box transcription factor TBX6, is a 436 amino acid protein, which localizes in the nucleus and forms a dimeric complex with DNA. T-box transcription factor that plays an essential role in the determination of the fate of axial stem cells: neural vs mesodermal. The calculated molecular weight of TBX6 is 47 kDa, but the modified TBX6 is about 58 kDa.

Storage

Storage:

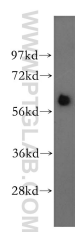
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

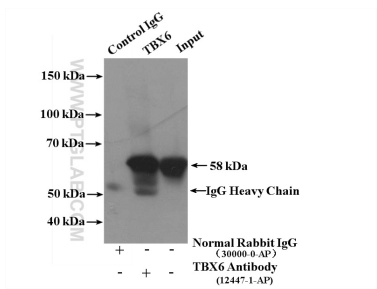
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 12447-1-AP (TBX6 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-TBX6 (IP:12447-1-AP, 4ug; Detection:12447-1-AP 1:500) with human placenta tissue lysate 2800ug.