

For Research Use Only

BBX Polyclonal antibody

Catalog Number: 17254-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

17254-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10691

GenBank Accession Number:

BC012837

GeneID (NCBI):

56987

UNIPROT ID:

Q8WY36

Full Name:

bobby sox homolog (Drosophila)

Calculated MW:

941 aa, 105 kDa

Observed MW:

105 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

mouse, rat, zebrafish

Positive Controls:

WB : HepG2 cells,

IP : HepG2 cells,

IHC : human ovary tissue, human brain tissue, human lung tissue, human placenta tissue, human spleen tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

BBX, also named HBP2, is a protein with a high mobility group (HMG) domain that belongs to the Sox (Sry-related HMG box) family of transcription factors. As a DNA-binding domain in HBP2, HMG is essential for its function in Schizosaccharomyces pombe. HBP2 activates Cdc10-dependent transcription at G1/s and allows growth of cdc10-129, res1delta and rep2delta mutant cells at the restrictive temperature

Notable Publications

Author	Pubmed ID	Journal	Application
Chieh-Ying Wang	27465138	Biol Reprod	WB, IHC, IF
TieLin Chen	25079045	Dev Genes Evol	IHC
Su Jeong Lee	39482539	Exp Mol Med	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

*** 20ul sizes contain 0.1% BSA

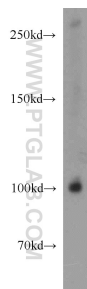
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

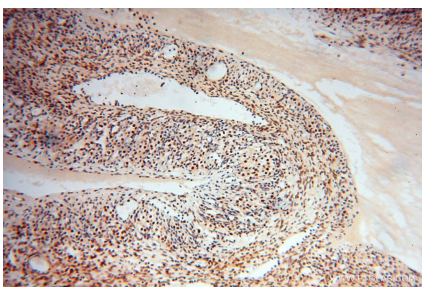
E: proteintech@ptglab.com
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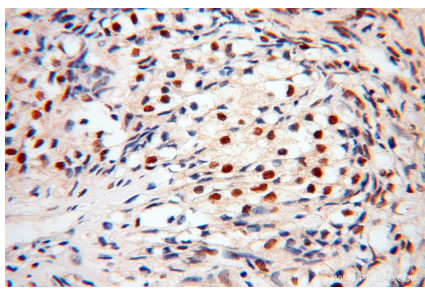
Selected Validation Data



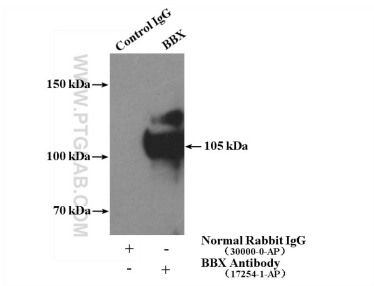
HepG2 cells were subjected to SDS PAGE followed by western blot with 17254-1-AP (BBX antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary using 17254-1-AP (BBX antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary using 17254-1-AP (BBX antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-BBX (IP:17254-1-AP, 4ug; Detection:17254-1-AP 1:1000) with HepG2 cells lysate 2400ug.