

For Research Use Only

XAB2 Polyclonal antibody

Catalog Number: 10637-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

10637-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0999

GenBank Accession Number:

BC007208

GeneID (NCBI):

56949

UNIPROT ID:

Q9HCS7

Full Name:

XPA binding protein 2

Calculated MW:

100 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

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

Positive Controls:

WB : HeLa cells, HepG2 cells, K-562 cells, Y79 cells

IP : K-562 cells,

IHC : rat salivary gland tissue, mouse salivary gland tissue, mouse testis tissue, rat testis tissue

IF/ICC : U2OS cells,

Background Information

XPA-binding protein 2 (XAB2) a tetratricopeptide repeat protein involved in transcription-coupled DNA repair and transcription. XAB2 is involved in pre-mRNA splicing, transcription, and transcription-coupled DNA repair, leading to preimplantation lethality, and is essential for mouse embryogenesis. It interacts with Cockayne syndrome groups A and B (CSA and CSB) proteins and RNA polymerase II, which are known to be involved in transcription-coupled repair (TCR) and transcription, and that the antibodies against XAB2 protein inhibited the recovery of RNA synthesis after UV irradiation and normal RNA synthesis when microinjected into living fibroblasts.

Notable Publications

Author	Pubmed ID	Journal	Application
Shuai Hou	27735937	Cell Death Dis	WB,IF
Shuai Hou	31216022	Nucleic Acids Res	WB
Lei Haixin H	23275560	Nucleic Acids Res	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

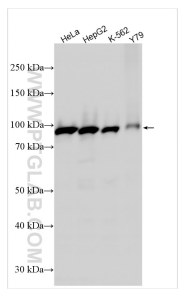
For technical support and original validation data for this product please contact:

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

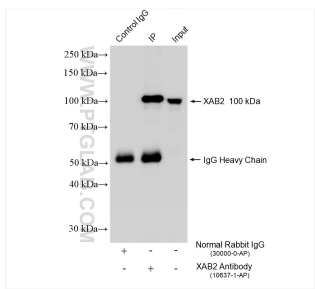
E: proteintech@ptglab.com
W: ptglab.com

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

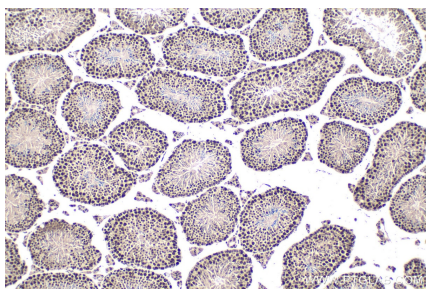
Selected Validation Data



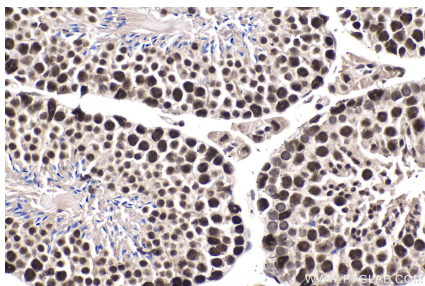
Various lysates were subjected to SDS PAGE followed by western blot with 10637-1-AP (XAB2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



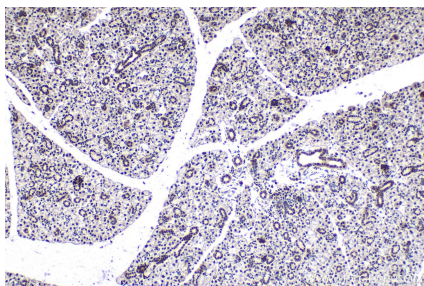
IP result of anti-XAB2 (IP:10637-1-AP, 4ug; Detection:10637-1-AP 1:1000) with K-562 cells lysate 1600 ug.



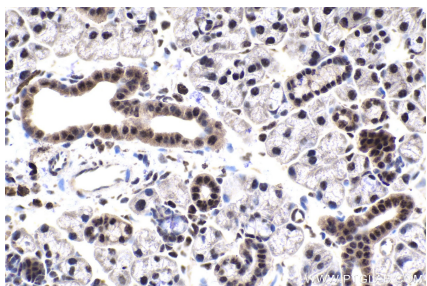
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10637-1-AP (XAB2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



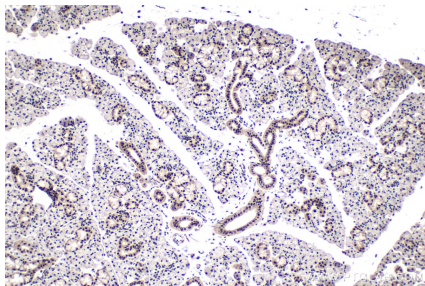
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10637-1-AP (XAB2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



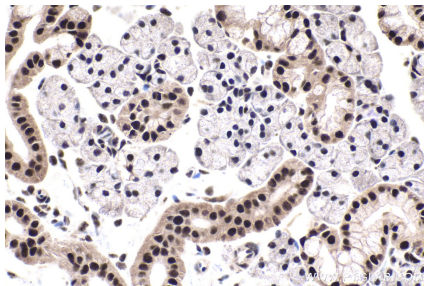
Immunohistochemical analysis of paraffin-embedded mouse salivary gland tissue slide using 10637-1-AP (XAB2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



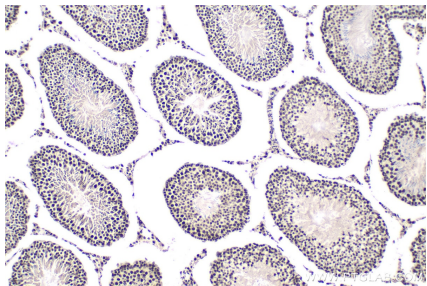
Immunohistochemical analysis of paraffin-embedded mouse salivary gland tissue slide using 10637-1-AP (XAB2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



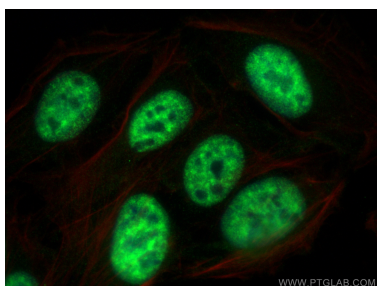
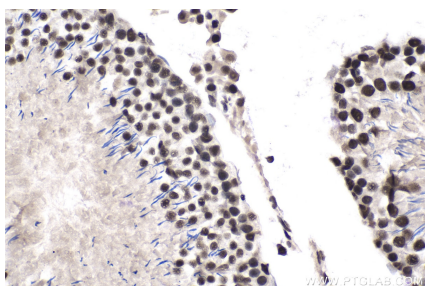
Immunohistochemical analysis of paraffin-embedded rat salivary gland tissue slide using 10637-1-AP (XAB2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat salivary gland tissue slide using 10637-1-AP (XAB2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 10637-1-AP (XAB2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 10637-1-AP (XAB2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed U2OS cells using XAB2 antibody (10637-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).