

POGZ Polyclonal antibody

Catalog Number: 30106-1-AP

Basic Information

Catalog Number:

30106-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32435

GenBank Accession Number:

NM_015100

GeneID (NCBI):

23126

UNIPROT ID:

Q7Z3K3

Full Name:

pogo transposable element with ZNF domain

Calculated MW:

155kd

Observed MW:

155 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Species Specificity:

Human, mouse

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, SH-SY5Y cells, mouse brain tissue

IP : HeLa cells,

IHC : mouse brain tissue, mouse testis tissue

IF/ICC : HepG2 cells, U-251 cells

Background Information

POGZ, also known as MRD37, is a zinc-finger protein containing 9 C2H2 zinc fingers, a CENP-B (centromere protein-B) domain, and a DDE domain found in the bacterial transposase/retroviral integrase family. POGZ plays a role in mitotic cell cycle progression and is involved in kinetochore assembly and mitotic sister chromatid cohesion. POGZ plays a role in mitotic chromosome segregation by regulating aurora kinase B/AURKB activation and AURKB and CBX5 dissociation from chromosome arms (PMID:20562864). Heterozygous mutation of POGZ causes White-Sutton syndrome (PMID: 26739615). Expect a band approximately 155 kDa in size corresponding to POGZ by western blotting.

Storage

Storage:

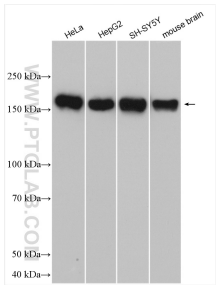
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

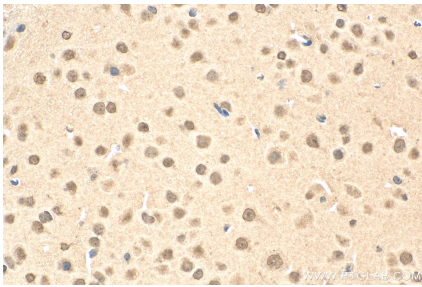
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

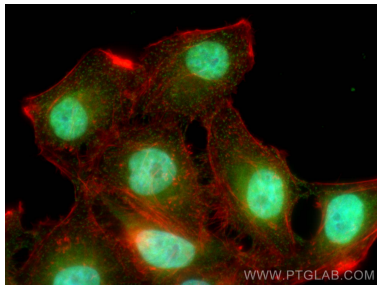
Selected Validation Data



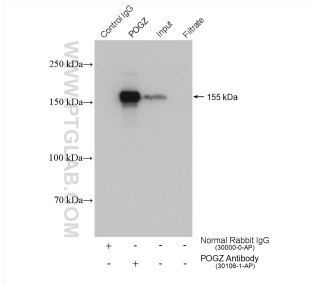
Various lysates were subjected to SDS PAGE followed by western blot with 30106-1-AP (POGZ antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



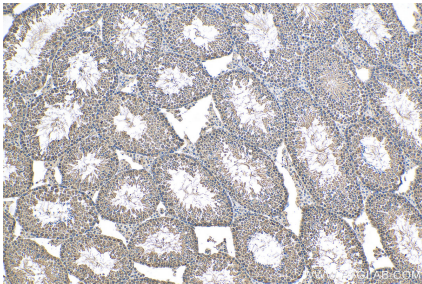
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30106-1-AP (POGZ antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



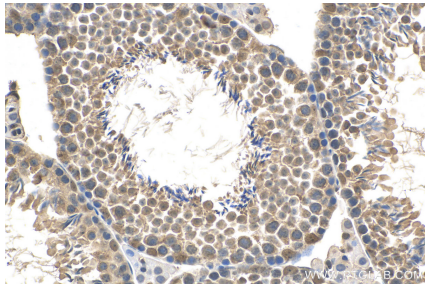
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using POGZ antibody (30106-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



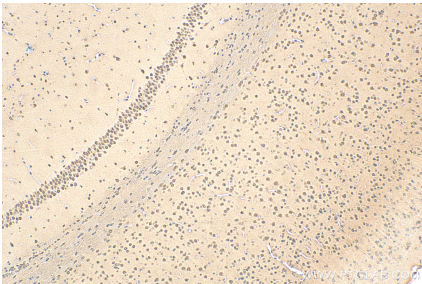
IP result of anti-POGZ (IP:30106-1-AP, 4ug; Detection:30106-1-AP 1:2000) with HeLa cells lysate 1800 ug.



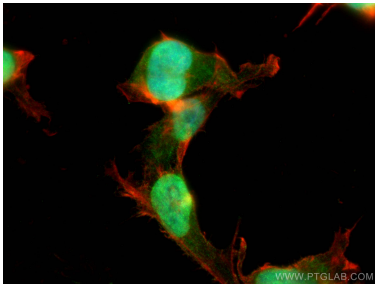
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 30106-1-AP (POGZ antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 30106-1-AP (POGZ antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30106-1-AP (POGZ antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using POGZ antibody (30106-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).