

For Research Use Only

# PROSER1 Polyclonal antibody

Catalog Number: 31494-1-AP



## Basic Information

**Catalog Number:**

31494-1-AP

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG35678

**GenBank Accession Number:**

NM\_025138.4

**GeneID (NCBI):**

80209

**UNIPROT ID:**

Q86XN7

**Full Name:**

chromosome 13 open reading frame 23

**Calculated MW:**

96kDa, 944aa

**Observed MW:**

100 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

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

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

**Tested Applications:**

IHC, IF/ICC, IP, ELISA

**Species Specificity:**

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:**

IP: Jurkat cells,

IHC: human ovary tumor tissue,

IF/ICC: U2OS cells,

## Background Information

PROSER1 (proline- and serine-rich 1) is a chromatin-binding protein encoded by the 13q13.3 locus. It interacts with all three TET enzymes and serves as the core scaffold of the TOPD (TET OGT PROSER1 DBHS) complex, stabilizing the binding between TET2 and OGT while promoting O GlcNAcylation, thereby enhancing DNA demethylation activity. PROSER1 has recently been found to be associated with neurodevelopmental disorders.

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

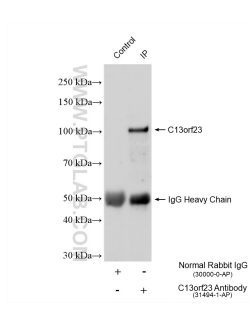
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

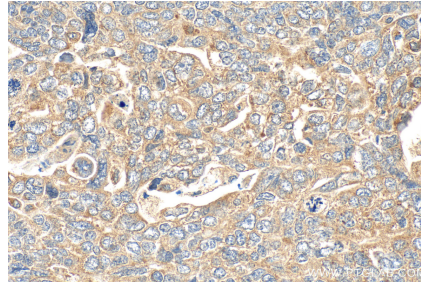
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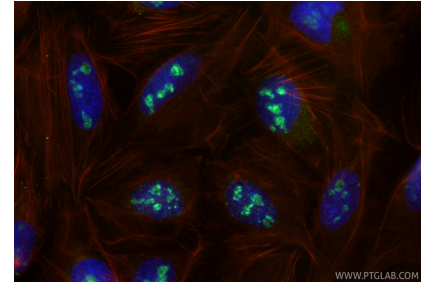
## Selected Validation Data



IP result of anti-C13orf23 (IP:31494-1-AP, 4ug; Detection:31494-1-AP 1:500) with Jurkat cells lysate 1800 ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 31494-1-AP (C13orf23 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 U2OS cells using PROSER1 antibody (31494-1-AP) at dilution of 1:200 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).