



## Rabbit Anti-HP1BP3 antibody

SL17375R

<b>Product Name:</b>	HP1BP3
<b>Chinese Name:</b>	异染色质蛋白1Binding protein3抗体
<b>Alias:</b>	Heterochromatin protein 1, binding protein 3; HP1 BP74; HP1BP 3; MGC28927; MGC43701; MGC72624; OTTHUMP00000002717; OTTHUMP00000002719; OTTHUMP00000002720; Protein HP1 BP74; RP5 930J4.3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	61kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HP1BP3:301-400/553
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	HP1BP3 is a 553 amino acid nuclear and chromosomal protein that exists as a component of heterochromatin. As such, HP1BP3 is involved in chromatin function and structure. Existing as four alternatively spliced isoforms, HP1BP3 undergoes post-translational phosphorylation, most likely by either ATM or ATR. HP1BP3 contains three H15 (linker histone H1/H5 globular) domains and is encoded by a gene that maps

to human chromosome 1p36.12. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes, comprises nearly 8% of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

**Function:**

HP1BP3 is a component of heterochromatin and may be involved in chromatin structure and function.

**Subcellular Location:**

Nuclear

**SWISS:**

Q5SSJ5

**Gene ID:**

50809

**Database links:**

[Entrez Gene: 50809](#) Human

[Entrez Gene: 15441](#) Mouse

[Entrez Gene: 313647](#) Rat

[SwissProt: Q5SSJ5](#) Human

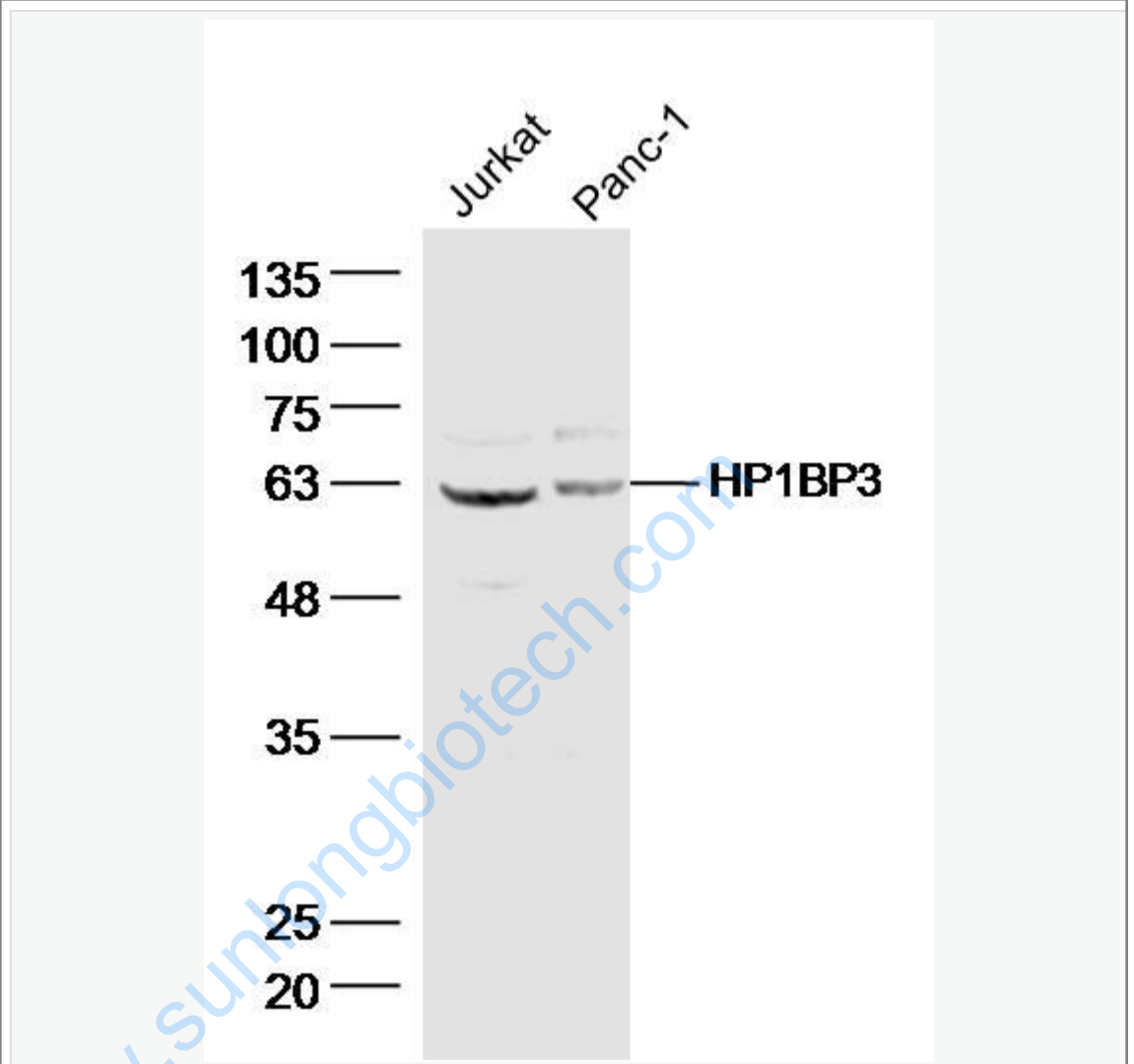
[SwissProt: Q3TEA8](#) Mouse

[SwissProt: Q6P747](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Jurkat cell(human) Lysate at 30 ug

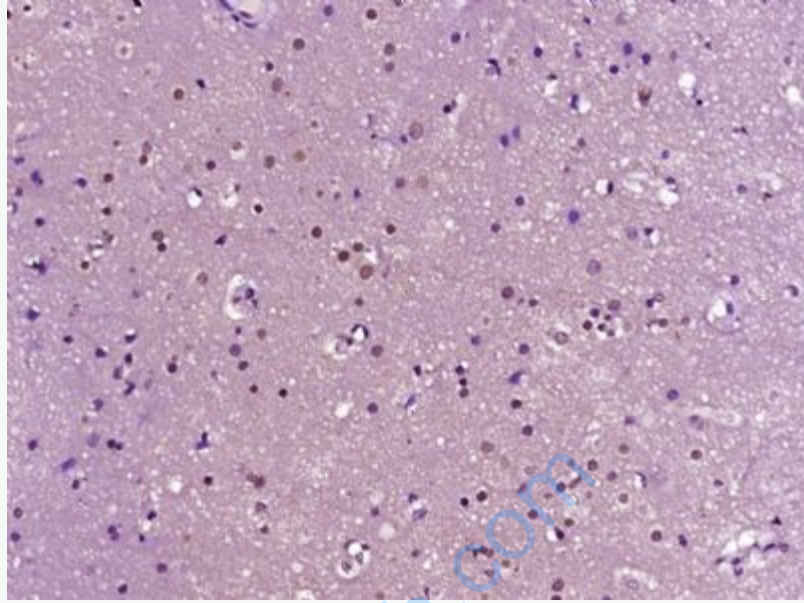
Panc1 cell(human) Lysate at 30 ug

Primary: Anti- HP1BP3 (SL17375R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61kD

Observed band size: 61kD



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (HP1BP3) Polyclonal Antibody, Unconjugated (SL17375R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.