

## Rabbit Anti-NSBP1 antibody

SL0700R

**Product Name** NSBP1

**Chinese Name** 核小体 Binding protein1 抗体

**Alias** Nucleosome-binding protein 1; Nucleosome-binding protein 45; NBP-45; GARP45 protein; HMGN5\_HUMAN.

**Research Area** immunology transcriptional regulatory factor

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human, Mouse,

**Applications** IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 32kDa

**Cellular localization** The nucleus

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human NSBP1: 201-282/282

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

**PubMed** [PubMed](#)

**Product** NSBP1 binds specifically to nuclear core particles and acts as a transcriptional activator.

**Detail**

[Subcellular Location] Nucleus. [Tissue Specificity] Widely expressed with highest levels in submaxillary gland, thymus, kidney and liver and lowest levels in brain, lung, pancreas and eye. [Developmental Stage] Highest levels are found in 7-day-old embryos. Levels in the 7-day-old embryo are 4-fold higher than in the adult and almost 10-fold higher than in later embryonic stages. [SIMILARITY] Belongs to the HMGN family.

**Function:**

Preferentially binds to euchromatin and modulates cellular transcription by counteracting linker histone-mediated chromatin compaction (By similarity).

**Subcellular Location:**

Nucleus. Note=Associates with nucleosomes in euchromatin and is largely excluded from constitutive heterochromatin (By similarity).

**Tissue Specificity:**

Ubiquitously expressed.

**Similarity:**

Belongs to the HMGN family.

**SWISS:**

P82970

**Gene ID:**

79366

**Database links:**

[Entrez Gene: 79366](#) Human

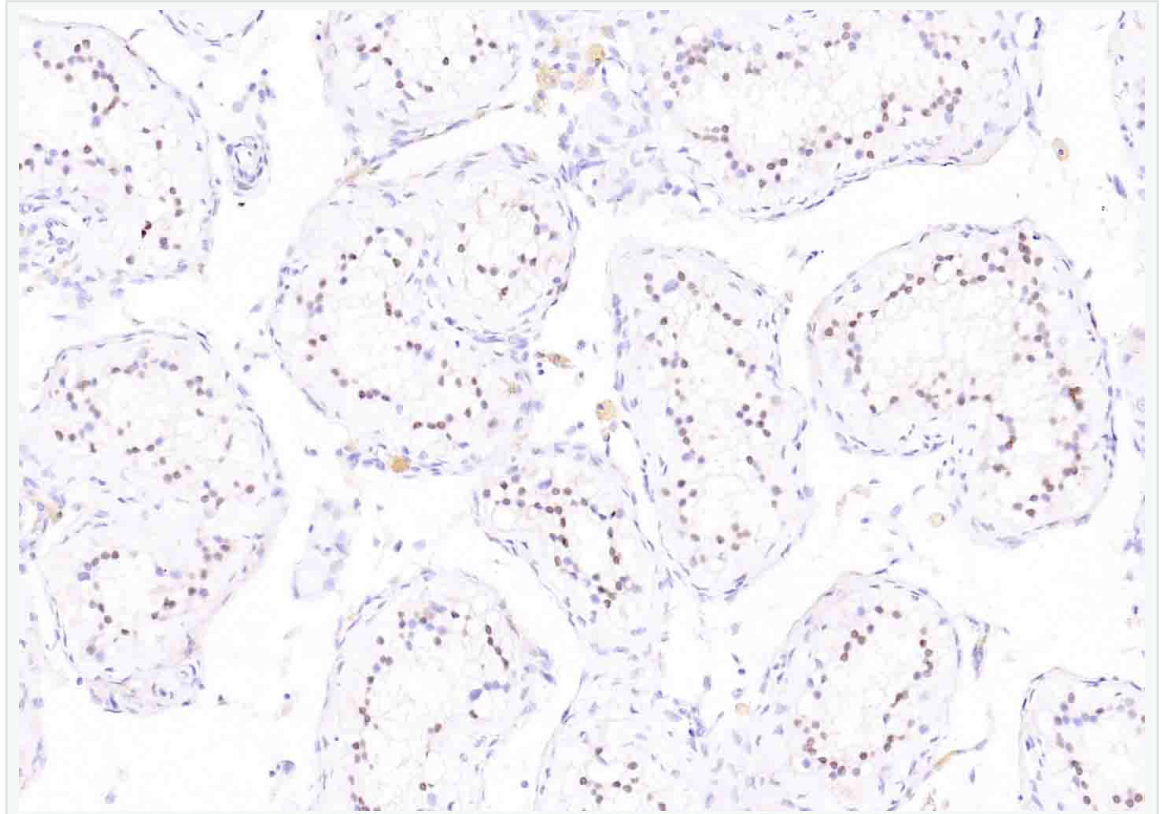
[Omim: 300385](#) Human

[SwissProt: P82970](#) Human

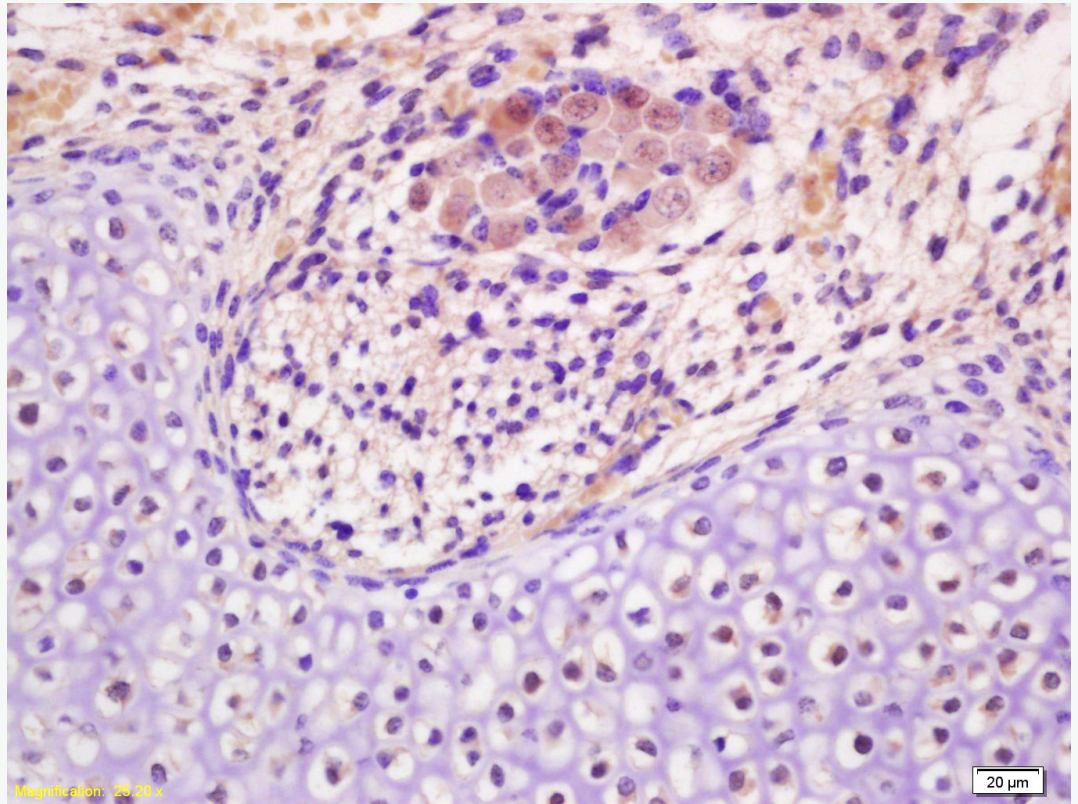
[Unigene: 282204](#) Human

NSBP-1 主要用于前列腺疾病方面的研究。

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (human testis); 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 (NSBP1 ) Polyclonal Antibody, Unconjugated (SL0700R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal  
goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-NSBP1 Polyclonal Antibody, Unconjugated(SL0700R) 1:200,  
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and  
DAB(C-0010) staining