



## Rabbit Anti-FANK1 antibody

SL6629R

<b>Product Name:</b>	FANK1
<b>Chinese Name:</b>	HSD13蛋白抗体
<b>Alias:</b>	Fank1; FANK1_HUMAN; Fibronectin type 3 and ankyrin repeat domains protein 1; Fibronectin type III and ankyrin repeat domains 1; HSD13.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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>	38kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human FANK1:51-150/345
<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>	FANK1 (fibronectin type III and ankyrin repeat domains 1), also known as HSD13, is a 345 amino acid nuclear and cytoplasmic testis-specific protein found primarily in pachytene spermatocytes and round spermatids. Containing six ANK repeats and a single fibronectin type-III domain, FANK1 undergoes alternative splicing events to form three isoforms. Possessing DNA binding activity, FANK1 is suggested to act as a transcription factor and may regulate gene expression during spermatogenesis. The gene

encoding FANK1 maps to human chromosome 10, which contains over 800 genes and 135 million nucleotides, making up nearly 4.5% of the human genome. PTEN is an important tumor suppressor gene located on chromosome 10 and, when defective, causes a genetic predisposition to cancer development known as Cowden syndrome.

**Subcellular Location:**

Nucleus. Cytoplasm

**Tissue Specificity:**

Mostly restricted to testis.

**Similarity:**

Contains 6 ANK repeats.

Contains 1 fibronectin type-III domain.

**SWISS:**

Q8TC84

**Gene ID:**

92565

**Database links:**

[Entrez Gene: 92565](#)Human

[Entrez Gene: 66930](#)Mouse

[Entrez Gene: 309071](#)Rat

[Omim: 611640](#)Human

[SwissProt: Q8TC84](#)Human

[SwissProt: Q9DAM9](#)Mouse

[SwissProt: Q66H07](#)Rat

[Unigene: 352591](#)Human

**Important Note:**

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