



## Rabbit Anti-FNIP2 antibody

SL13194R

<b>Product Name:</b>	FNIP2
<b>Chinese Name:</b>	卵泡刺激素Binding protein2抗体
<b>Alias:</b>	FNIP1-like protein; Fnip2; FNIP2_HUMAN; FNIPL; Folliculin-interacting protein 2; KIAA1450; MAPO1; O6-methylguanine-induced apoptosis 1 protein; OTTHUMP00000221326.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,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>	122kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human FNIP2:1001-1114/1114
<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>	Folliculin is a cytoplasmic protein that is suggested to be involved in the pathogenesis of a uncommon form of kidney cancer through its association with Birt-Hogg-Dube syndrome, an inherited disorder of the hair follicle. FNIP2 (folliculin interacting protein 2), also known as FNIPL or MAPO1, is a 1,114 amino acid protein that belongs to the FNIP family and is widely expressed, with highest expression in muscle, nasal mucosa,

salivary gland, uvula, fat, liver and pancreas and low expression in renal cell carcinoma and normal kidney tissue. Localized to the cytoplasm, FNIP2 may participate in energy and/or nutrient sensing through the AMPK and FRAP signaling pathways. FNIP2 exists as two alternatively isoforms and forms homomultimers and heteromultimers with FNIP1. FNIP2 interacts with folliculin via its C-terminus and with AMPK alpha 1, AMPK beta 1 and AMPK gamma 1 subunits of 5'-AMP-activated protein kinase.

**Function:**

May play a role in the signal transduction pathway of apoptosis induced by O6-methylguanine-mispaired lesions (By similarity). May be involved in energy and/or nutrient sensing through the AMPK and mTOR signaling pathways. May regulate phosphorylation of RPS6KB1.

**Subunit:**

Forms homomultimers and heteromultimers with FNIP1. Interacts (via C-terminus) with FLCN (via C-terminus). Phosphorylated FLCN is preferentially bound. Interacts with PRKAA1, PRKAB1 and PRKAG1 subunits of 5'-AMP-activated protein kinase.

**Subcellular Location:**

Cytoplasm. Co-localizes with FLCN in the cytoplasm.

**Tissue Specificity:**

Widely expressed with highest levels in muscle, nasal mucosa, salivary gland, uvula, fat, liver, heart, placenty and pancreas. Moderately expressed in the lung, small intestine, kidney and brain. Lower levels detected in renal cell carcinoma than in normal kidney tissue. Higher levels detected in oncocytoma than in normal kidney.

**Post-translational modifications:**

Phosphorylated by AMPK.

**Similarity:**

Belongs to the FNIP family.

**SWISS:**

Q9P278

**Gene ID:**

57600

**Database links:**

[Entrez Gene: 57600](#)Human

[Entrez Gene: 329679](#)Mouse

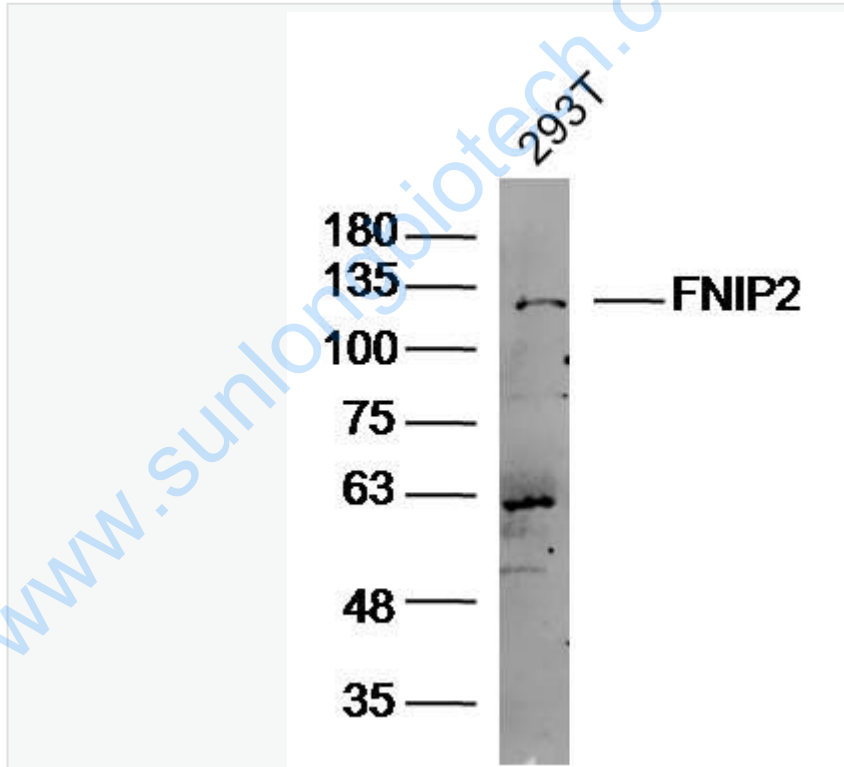
[Entrez Gene: 310538](#)Rat

[Omid: 612768](#)Human  
[SwissProt: Q9P278](#)Human  
[SwissProt: Q80TD3](#)Mouse  
[Unigene: 652441](#)Human  
[Unigene: 728209](#)Human  
[Unigene: 244005](#)Mouse

**Important Note:**

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

Picture:



Sample: 293T Cell (Human) Lysate at 40 ug

Primary: Anti- FNIP2 (SL13194R) at 1/300 dilution

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

Predicted band size: 122 kD

	Observed band size: 122 kD
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