




## Rabbit Anti-Fbxw7 antibody

SL8394R

<b>Product Name:</b>	Fbxw7
<b>Chinese Name:</b>	Fbxw7蛋白抗体
<b>Alias:</b>	AGO; Archipelago homolog; Archipelago, Drosophila, homolog of antibody CDC4; DKFZp686F23254; F box and WD 40 domain protein 7 (archipelago homolog, Drosophila); F box and WD 40 domain protein 7; F box and WD repeat domain containing 7; F box protein FBW7; F box protein FBX30; F box protein SEL10; F-box and WD-40 domain-containing protein 7; F-box protein FBX30; F-box/WD repeat-containing protein 7; FBW6; FBW7; FBX30; FBXO30; FBXW6; FBXW7; FBXW7_HUMAN; FLJ16457; hAgo; hCdc4; Homolog of C elegans sel 10; Homolog of C.elegans sel10; SEL-10; SEL10.
<b>文献引用</b>  :	<b>Specific References(1)</b>  SL8394R has been referenced in 1 publications. <b>[IF=2.28]</b> Wang, Haihe, et al. "RBP-J-interacting and tubulin-associated protein induces apoptosis and cell cycle arrest in human hepatocellular carcinoma by activating the p53-Fbxw7 pathway." Biochemical and Biophysical Research Communications (2014). <b>WB;Human.</b> <a href="https://pubmed.ncbi.nlm.nih.gov/25445601/">PubMed:25445601</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (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>	78kDa
<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 Fbxw7/CDC4:501-600/707
<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>	<p>The F-box protein family is characterized by an approximately 40 amino acid motif known as the F-box. F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. One family member, Cdc4, also known as AGO, FBW7, FBXW7, FBX30, SEL10, and FLJ11071, maps to human chromosome 4q31.3. Alternative splicing of this gene generates four transcript variants. In addition to an F-box, Cdc4 contains seven tandem WD40 repeats. Cdc4 binds directly to cyclin E and targets cyclin E for ubiquitin-mediated degradation. Mutations of the Cdc4 gene are detected in ovarian and breast cancer cell lines, suggesting that the gene may be involved in the pathogenesis of human cancers.</p> <p><b>Function:</b> Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins. Involved in the degradation of cyclin-E, MYC, NOTCH1 released notch intracellular domain (NICD), and probably PSEN1.</p> <p><b>Subunit:</b> Component of the SCF(FBXW7) complex consisting of CUL1, RBX1, SKP1 and FBXW7. Interacts with PSEN1, cyclin E, NOTCH1 NICD, NOTCH4 NICD and SKP1. Interacts with MYC (when phosphorylated). Isoform 1 interacts with USP28, leading to counteract ubiquitination of MYC. Isoform 4 interacts (via WD repeats) with SV40 large T antigen (via CPD region). Forms a trimeric complex with NOTCH1 and SGK1.</p> <p><b>Subcellular Location:</b> Isoform 1: Nucleus, nucleoplasm. Isoform 2: Cytoplasm. Isoform 4: Nucleus, nucleolus. Nucleus.</p> <p><b>Tissue Specificity:</b> Isoform 1 is widely expressed. Isoform 4 is expressed in brain.</p> <p><b>Post-translational modifications:</b> Phosphorylated upon DNA damage, probably by ATM or ATR.</p> <p><b>Similarity:</b> Contains 1 F-box domain.</p>

Contains 7 WD repeats.

**SWISS:**  
Q969H0

**Gene ID:**  
55294

**Database links:**

[Entrez Gene: 55294](#)Human

[Entrez Gene: 50754](#)Mouse

[Oimim: 606278](#)Human

[SwissProt: Q969H0](#)Human

[SwissProt: Q8VBV4](#)Mouse

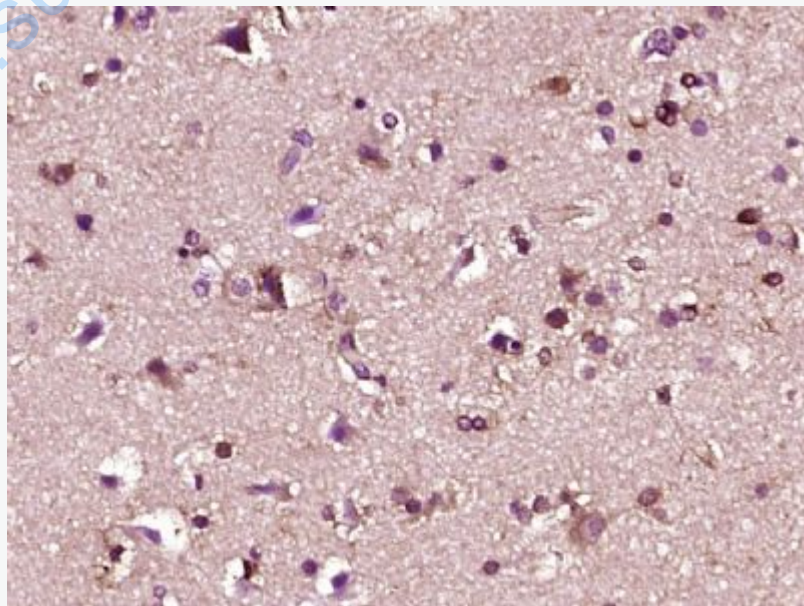
[Unigene: 561245](#)Human

[Unigene: 196475](#)Mouse

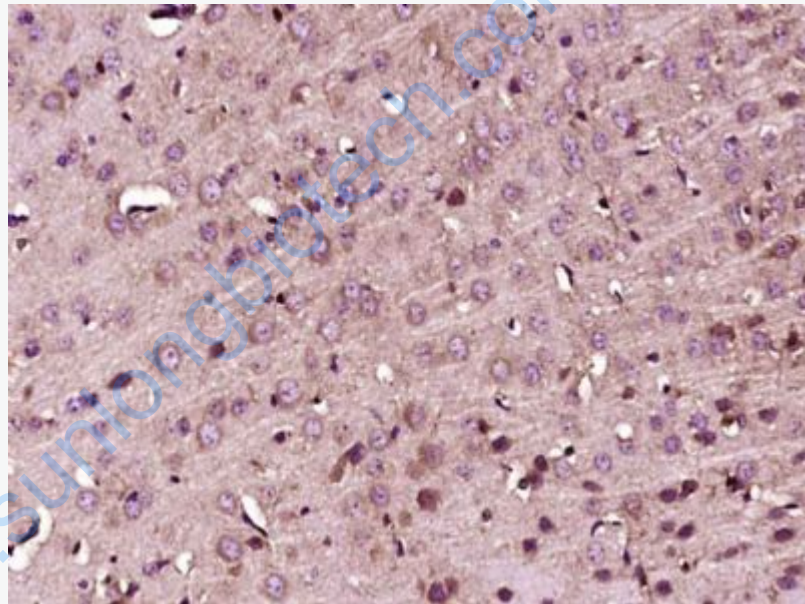
**Important Note:**

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

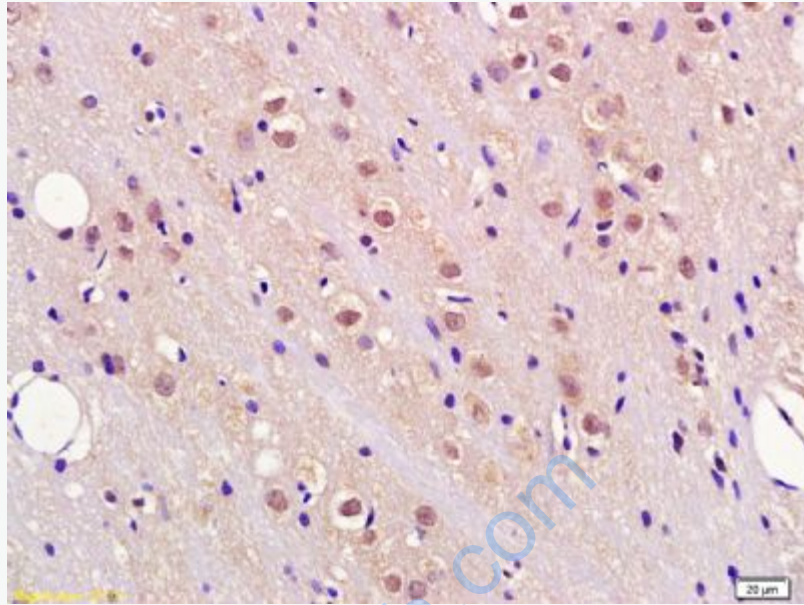
**Picture:**



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 (Fbxw7) Polyclonal Antibody, Unconjugated (SL8394R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Fbxw7) Polyclonal Antibody, Unconjugated (SL8394R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, 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-Fbxw7/CDC4 Polyclonal Antibody, Unconjugated(SL8394R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining