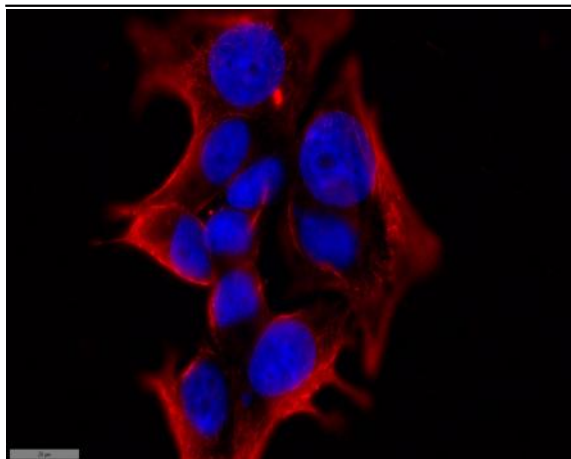


## 14-3-3 $\theta/\tau$ Polyclonal Antibody

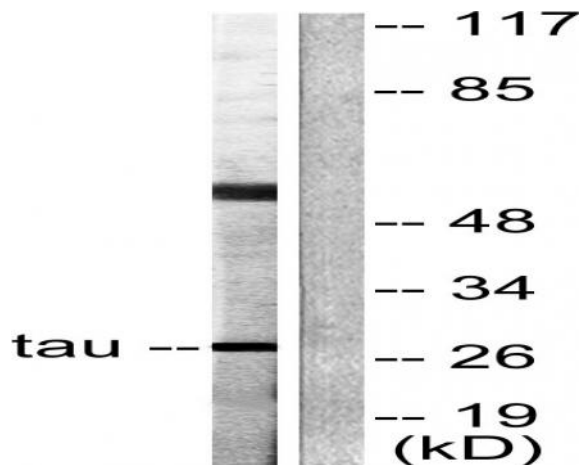
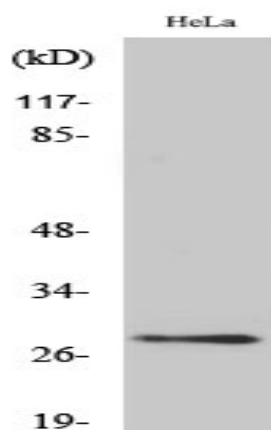
<b>Catalog No :</b>	YT0011
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	14-3-3 $\theta/\tau$
<b>Fields :</b>	>>Cell cycle;>>Oocyte meiosis;>>PI3K-Akt signaling pathway;>>Hippo signaling pathway;>>Hepatitis C;>>Hepatitis B;>>Viral carcinogenesis
<b>Gene Name :</b>	YWHAQ
<b>Protein Name :</b>	14-3-3 protein theta
<b>Human Gene Id :</b>	10971
<b>Human Swiss Prot No :</b>	P27348
<b>Mouse Gene Id :</b>	22630
<b>Mouse Swiss Prot No :</b>	P68254
<b>Rat Gene Id :</b>	25577
<b>Rat Swiss Prot No :</b>	P68255
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human 14-3-3 thet/tau. AA range:196-245
<b>Specificity :</b>	14-3-3 $\theta/\tau$ Polyclonal Antibody detects endogenous levels of 14-3-3 $\theta/\tau$ protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	28kD
<b>Cell Pathway :</b>	Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Neurotrophin;Pathogenic Escherichia coli infection;
<b>Background :</b>	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease. [provided by RefSeq, Jul 2008],
<b>Function :</b>	function:Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathway. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.,similarity:Belongs to the 14-3-3 family.,subcellular location:In neurons, axonally transported to the nerve terminals.,subunit:Homodimer. Interacts with PCTK1 (By similarity). Interacts with SSH1. Interacts with CDKN1B ('Thr-198' phosphorylated form); the interaction translocates CDKN1B to the cytoplasm.,tissue specificity:Abundantly expressed in brain, heart and pancreas, and at lower levels in kidney and placenta. Up-regulated in the lumbar spinal cord from patients with sporadic amyotrophic lateral sclerosis (ALS) compared with controls, with highest levels of expression in i
<b>Subcellular Location :</b>	Cytoplasm. In neurons, axonally transported to the nerve terminals.
<b>Expression :</b>	Abundantly expressed in brain, heart and pancreas, and at lower levels in kidney and placenta. Up-regulated in the lumbar spinal cord from patients with sporadic amyotrophic lateral sclerosis (ALS) compared with controls, with highest levels of expression in individuals with predominant lower motor neuron involvement.

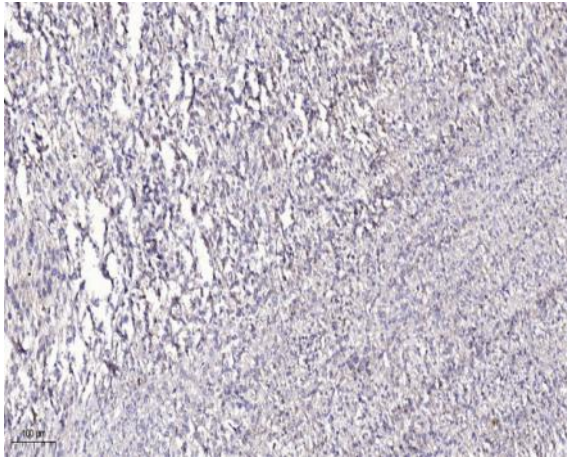
## Products Images



Immunofluorescence analysis of MCF7 cell. 1, primary Antibody was diluted at 1:100 (4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AF594 Secondary antibody (catalog No: RS3611) was diluted at 1:500 (room temperature, 50min).



Western blot analysis of lysates from HeLa cells, using 14-3-3 thet/tau Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).