

Anti-14-3-3 theta Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

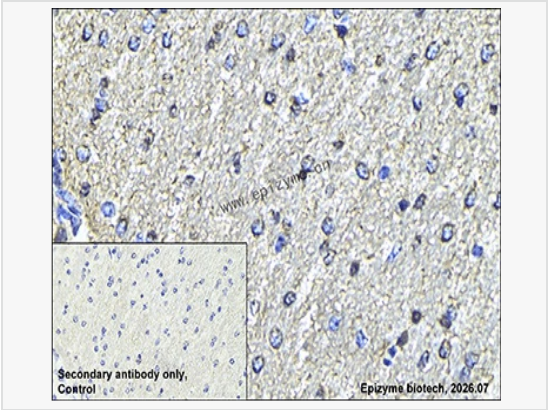
Catalog # R016200

Product Information

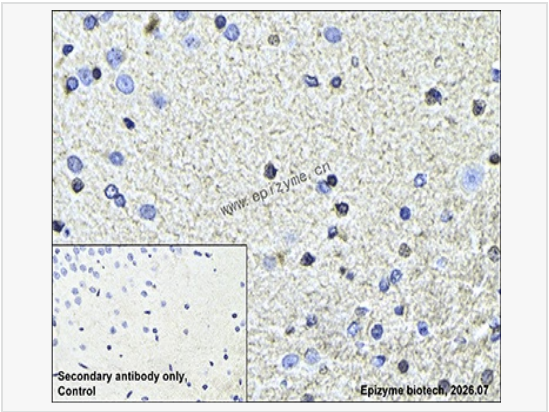
Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	93Q00Q27
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human 14-3-3 theta
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-14-3-3 theta Rabbit mAb [93Q00Q27] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

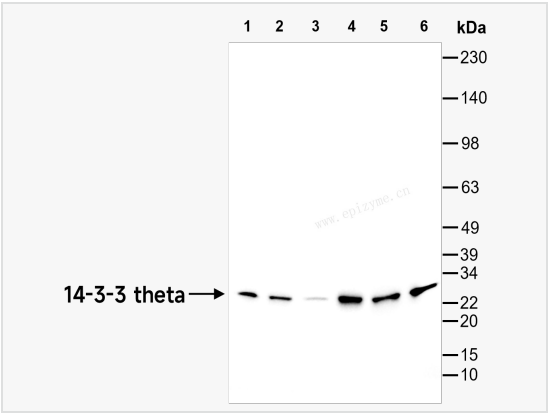
Synonyms	14-3-3 protein theta; 14-3-3 protein T-cell; 14-3-3 protein tau; Protein HS1; YWHAQ.
Calculated MW	Calculated MW: 28 kDa; Observed MW: 28 kDa
Uniprot ID	P27348
Gene ID	10971
Background	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to 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]
Cellular Location	Cytoplasm. Note: In neurons, axonally transported to the nerve terminals.
Tissue Location	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.



Immunohistochemistry - Anti-14-3-3 theta Rabbit mAb [93Q00Q27]
Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016200 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-14-3-3 theta Rabbit mAb [93Q00Q27]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R016200 at 1:100 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Western Blot - Anti-14-3-3 theta Rabbit mAb [93Q00Q27]
All lanes: R016200 at 1:2,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 4: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates
Lane 5: Mouse brain whole tissue lysates
Lane 6: Rat brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 28 kDa
Observed band size: 28 kDa
Developed using the ECL technique (Cat. No. SQ201).