



Anti-14-3-3 protein theta Antibody

Alternative Names: 1C5, H51, 14-3-3, 14-3-3 protein theta, YWHAQ, 14-3-3 protein T-cell, 14-3-3 protein tau, Protein H51

Catalogue Number: AB19-10102-50ug

Size: 50 µg

Background Information

14-3-3 protein theta (YWHAQ) mediates signal transduction by binding to phosphoserine-containing proteins. It is found in both plants and mammals and is highly conserved across different species. 14-3-3 protein theta contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic.

Another 14-3-3 protein family member (zeta/delta - YWHAZ) has been shown to interact with TDP-43 and SOD1 in ALS to modulate neurofilament light chain mRNA stability and 14-3-3 protein was also found in lewy bodies in sALS and also interacts with FUS in ALS. YWHAQ was reported to have significantly elevated mRNA level in sALS patients, so it may have a role in ALS pathology, however its specific role remains unknown.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	Synthetic full length human YWHAQ		
Format:	50 µg in 50 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	WB IHC WB 1:1000-5000. IHC 1:25-100.		

Additional Information

Subcellular location:	Cytoplasm	MW:	28kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	10971	Uniprot ID:	P27348