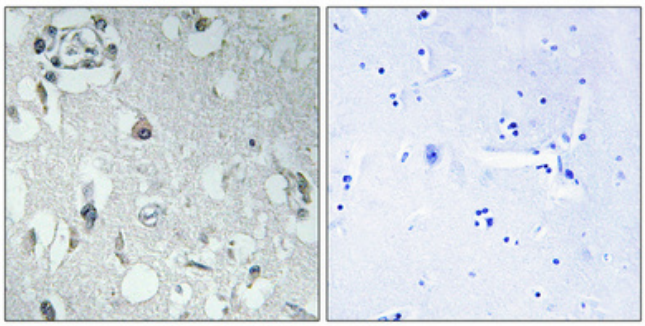
14-3-3 η Polyclonal Antibody

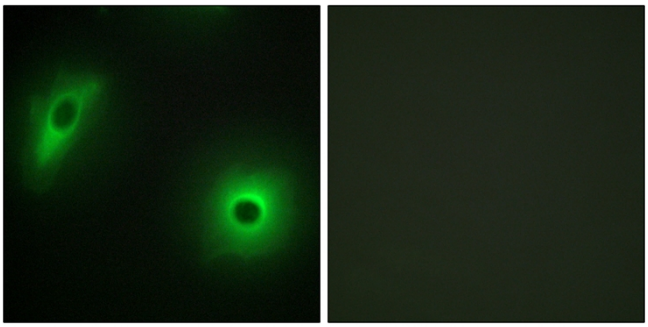
Catalog No	YP-Ab-03661
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	YWHAH
Protein Name	14-3-3 protein eta
Immunogen	The antiserum was produced against synthesized peptide derived from human 14-3-3 eta. AA range:51-100
Specificity	14-3-3 η Polyclonal Antibody detects endogenous levels of 14-3-3 η protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	YWHAH; YWHA1; 14-3-3 protein eta; Protein AS1
Observed Band	42kD
Cell Pathway	cytoplasm,mitochondrion,cytosol,plasma membrane,intercalated disc,cytoplasmic vesicle membrane,extracellular exosome,
Tissue Specificity	Expressed mainly in the brain and present in other tissues albeit at lower levels.
Function	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.,subunit:Homodimer (By similarity). Interacts with many nuclear hormone receptors and cofactors including AR, ESR1, ESR2, MC2R, NR3C1, NRIP1, PPARBP and THRA. Interacts with ABL1 (phosphorylated form); the interaction retains it in the cytoplasm. Interacts with RGNEF and PCTK1 (By similarity). Weakly interacts with CDKN1B.,tissue specificity:Expressed mainly in the brain and present in other tissues albeit at lower levels.,
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, rat and bovine orthologs. This gene contains a 7 bp repeat sequence in its 5' UTR, and changes in the number of this repeat have been associated with early-onset schizophrenia and psychotic bipolar disorder. [provided by RefSeq, Jun 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

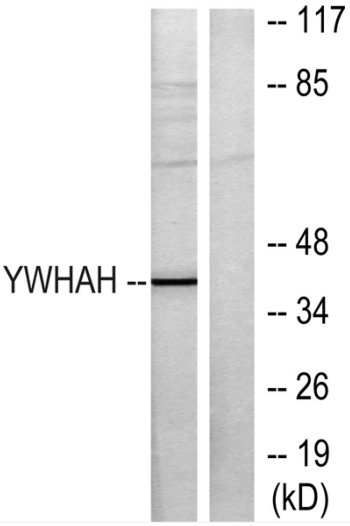
Products Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HeLa cells, using 14-3-3 eta Antibody. The picture on the right is blocked with the synthesized peptide.



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