

## 14-3-3 η Polyclonal Antibody

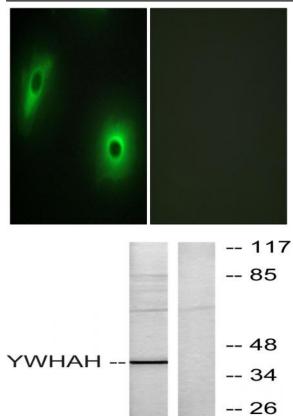
| Catalog No :             | YT0009   |
|--------------------------|--|
| Reactivity :             | Human;Mouse;Rat  |
| Applications :           | WB;IHC;IF;ELISA  |
| Target :                 | 14-3-3 eta   |
| Fields :                 | >>Cell cycle;>>Oocyte meiosis;>>PI3K-Akt signaling pathway;>>Hippo<br>signaling pathway;>>Hepatitis C;>>Viral carcinogenesis |
| Gene Name :              | YWHAH  |
| Protein Name :           | 14-3-3 protein eta   |
| Human Gene Id :          | 7533   |
| Human Swiss Prot<br>No : | Q04917   |
| Mouse Gene Id :          | 22629  |
| Mouse Swiss Prot         | P68510   |
| No :<br>Rat Gene Id :    | 25576  |
| Rat Swiss Prot No :      | P68511   |
| 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   |
| Dilution :               | WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.                |



| Purification :            | The antibody was affinity-purified from rabbit antiserum by affinity-  |
|---------------------------|--|
|                           | chromatography using epitope-specific immunogen.   |
| Concentration :           | 1 mg/ml  |
| Storage Stability :       | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| Observed Band :           | 42kD   |
| Cell Pathway :            | Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Neurotrophin;   |
| 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],  |
| 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., |
| Subcellular<br>Location : | cytoplasm,mitochondrion,cytosol,plasma membrane,intercalated<br>disc,cytoplasmic vesicle membrane,extracellular exosome,   |
| Expression :              | Expressed mainly in the brain and present in other tissues albeit at lower levels.   |

## Products Images





-- 19 (kD) 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.