



TTBK1 rabbit pAb

| Catalog No | BYab-08509 |
|--------------------|--|
| Isotype | lgG |
| Reactivity | Human; Mouse |
| Applications | WB |
| Gene Name | TTBK1 BDTK KIAA1855 |
| Protein Name | TTBK1 |
| Immunogen | Synthesized peptide derived from human TTBK1 AA range: 429-479 |
| Specificity | This antibody detects endogenous levels of TTBK1 at Human/Mouse |
| 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 serum by affinity-chromatography using specific immunogen. |
| Dilution | WB 1: 500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | |
| Cell Pathway | Cytoplasm . |
| Tissue Specificity | Expressed in the brain, particularly in cortical and hippocampal neurons. Weakly expressed in spinal cord and testis. No expression in adipose tissue, bladder, cervix, colon, esophagus, heart, kidney, liver, lung, ovary, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus, thyroid or trachea. |
| Function | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,caution:It is uncertain whether Met-1 or Met-14 is the initiator.,cofactor:Divalent cations. Magnesium or, to a lesser extent, manganese, but not calcium or zinc.,function:Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU.,similarity:Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain.,tissue specificity:Expressed in the brain, particularly in cortical and hippocampal neurons. Weakly expressed in spinal cord and testis. No expression in adipose tissue, bladder, cervix, colon, esophagus, heart, kidney, liver, lung, ovary, placenta, prostate, skeletal muscle, small intestine, spleen, |
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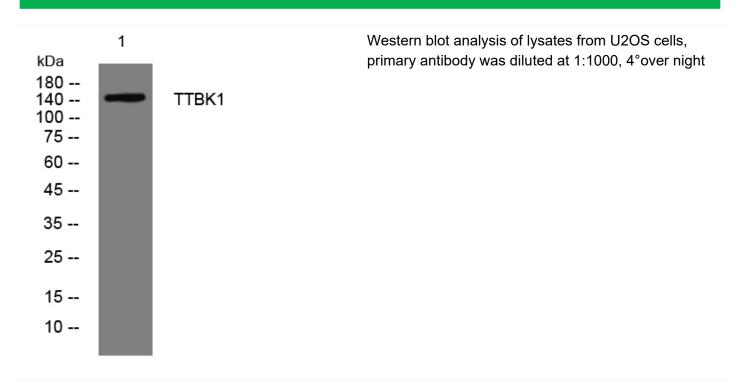
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| | testis, thymus, thyroid or trachea., |
|---------------------------|---|
| Background | Summary:This gene belongs to the casein kinase 1 superfamily. The encoded protein is a neuron-specific, serine/threonine and tyrosine kinase, which regulates phosphorylation of tau, a protein that associates with microtubule assemblies and stabilizes them. Genetic variants in this gene are associated with Alzheimer's disease. [provided by RefSeq, Jul 2016], |
| 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. |

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