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Datasheet for ABIN7180102
anti-Mps1 antibody (Thr676)

3 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | Mps1 (TTK) |
| Binding Specificity: | Thr676 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Mps1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Synthesized non-phosphopeptide derived from Human TTK around the phosphorylation site of threonine 676 (D-T-T(p)-S-V). |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Purification: | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

Target Details

| | |
|-------------------|--------------------------------------|
| Target: | Mps1 (TTK) |
| Alternative Name: | TTK (TTK Products) |

Target Details

Background: Background: Phosphorylates proteins on serine, threonine, and tyrosine. Probably associated with cell proliferation. Essential for chromosome alignment by enhancing AURKB activity (via direct CDCA8 phosphorylation) at the centromere, and for the mitotic checkpoint.

Mills G.B., J. Biol. Chem. 267:16000-16006(1992).

Ota T., Nat. Genet. 36:40-45(2004).

Mungall A.J., Nature 425:805-811(2003)

Aliases: cancer/testis antigen 96 antibody, CT96 antibody, Dual specificity protein kinase TTK antibody, ECSTY kinase antibody, ESK antibody, FLJ38280 antibody, hMPS1 antibody, Monopolar Spindle 1 Like 1 antibody, MPH1 antibody, Mps 1 antibody, MPS1L1 antibody, Phosphotyrosine Picked Threonine Kinase antibody, Phosphotyrosine picked threonine-protein kinase antibody, PYT antibody, RP3-357D13.2 antibody, ttk antibody, TTK Protein Kinase antibody, TTK_HUMAN antibody

UniProt: [P33981](#)

Application Details

Application Notes: WB:1:500-1:3000, IHC:1:50-1:100,

Restrictions: For Research Use only

Handling

Format: Liquid

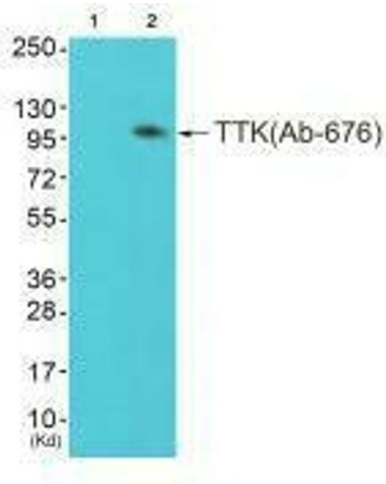
Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

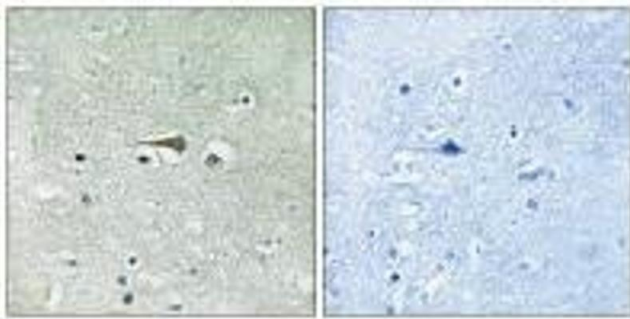
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



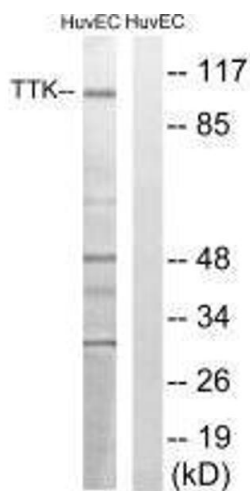
Western Blotting

Image 1. Western blot analysis of extracts from colo cells (Lane 2), using TTK (Ab-676) antibody. The lane on the left is treated with synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human brain tissue using TTK (Ab-676) antibody.



Western Blotting

Image 3. Western blot analysis of extracts from HUVEC cells, treated with etoposide (25uM, 24hours), using TTK (Ab-676) antibody.