

### 32-6240: Mouse Anti Human Tubulin beta-2B chain(Clone: PAT5B2AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PAT5B2AT.
<b>Application :</b>	ELISA, WB, FACS
<b>Gene :</b>	TUBB2B
<b>Gene ID :</b>	347733
<b>Uniprot ID :</b>	Q9BVA1
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Tubulin beta-2B chain, TUBB2B, MGC8685, FLJ98847, bA506K6.1, DKFZp566F223, RP11-506K6.1.
<b>Isotype :</b>	Mouse IgG2a heavy chain and k light chain.
<b>Immunogen Information :</b>	Anti-human TUBB2b mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human TUBB2b amino acids 1-445 purified from E. coli.

#### Description

TUBB2B is a beta isoform of tubulin, which binds GTP and is a major component of microtubules. Numerous beta Tubulin isoforms have been characterized and are expressed in mammalian tissues. Tubulin binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain. TUBB2b is mostly expressed in developing neurons with a dominant expression during the critical steps of corticogenesis. In addition, TUBB2B is a new critical gene involved in neuronal migration. TUBB2B is present in the nuclei and nucleoplasm, Defects in the TUBB2B gene are a cause of asymmetric polymicrogyria.

#### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	TUBB2b antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

TUBB2b antibody has been tested by ELISA, Western blot and Immunofluorescence analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:250 ~ 500. Recommended starting dilution is 1:250.