

TUBB2B Antibody (clone AT5B3)
Mouse Monoclonal Antibody
Catalog # ALS13229**Specification**

TUBB2B Antibody (clone AT5B3) - Product Information

Application	IHC
Primary Accession	Q9BVA1
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	50kDa KDa

TUBB2B Antibody (clone AT5B3) - Additional Information**Gene ID** 347733**Other Names**

Tubulin beta-2B chain, TUBB2B

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

TUBB2B Antibody (clone AT5B3) is for research use only and not for use in diagnostic or therapeutic procedures.

TUBB2B Antibody (clone AT5B3) - Protein Information**Name** TUBB2B**Function**

Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers (PubMed:23001566, PubMed:28013290, PubMed:26732629). Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin. Plays a critical role in proper axon guidance in both central and peripheral axon tracts (PubMed:23001566). Implicated in neuronal migration (PubMed:19465910).

Cellular Location

Cytoplasm, cytoskeleton

Tissue Location

High expression in brain.

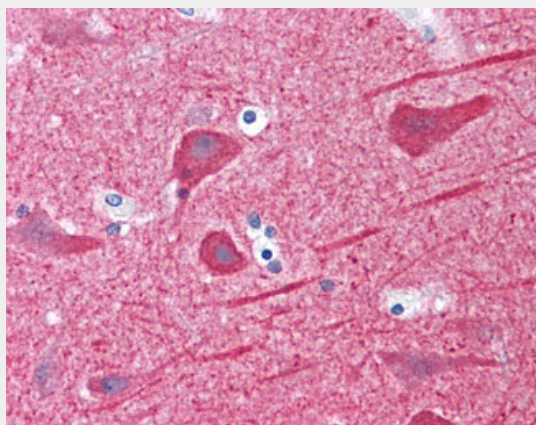
Volume
50 μ l

TUBB2B Antibody (clone AT5B3) - Protocols

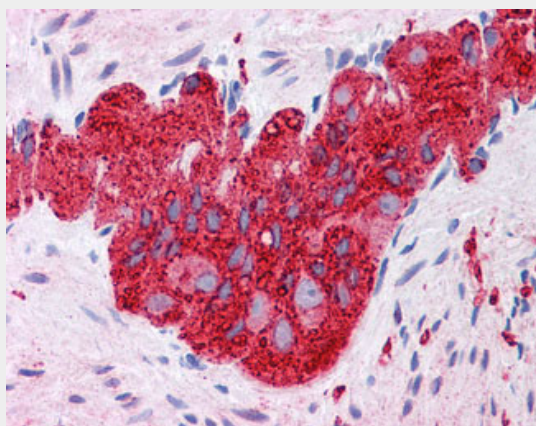
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TUBB2B Antibody (clone AT5B3) - Images



Anti-TUBB2B antibody IHC of human brain, cortex.



Anti-TUBB2B antibody IHC of human colon, submucosal plexus.

TUBB2B Antibody (clone AT5B3) - Background

Tubulin is the major constituent of microtubules. It 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 (By similarity). TUBB2B is implicated in neuronal migration.

TUBB2B Antibody (clone AT5B3) - References

Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.

Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

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

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

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.