

TUBB2A / Tubulin Beta 2A Antibody (clone 2B2)
Mouse Monoclonal Antibody
Catalog # ALS13513**Specification**

TUBB2A / Tubulin Beta 2A Antibody (clone 2B2) - Product Information

Application	WB, IHC
Primary Accession	Q13885
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	50kDa KDa

TUBB2A / Tubulin Beta 2A Antibody (clone 2B2) - Additional Information**Gene ID** 7280**Other Names**

Tubulin beta-2A chain, Tubulin beta class IIa, TUBB2A, TUBB2

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

TUBB2A / Tubulin Beta 2A Antibody (clone 2B2) is for research use only and not for use in diagnostic or therapeutic procedures.

TUBB2A / Tubulin Beta 2A Antibody (clone 2B2) - Protein Information**Name** TUBB2A**Synonyms** TUBB2**Function**

Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. 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.

Cellular Location

Cytoplasm, cytoskeleton.

Tissue Location

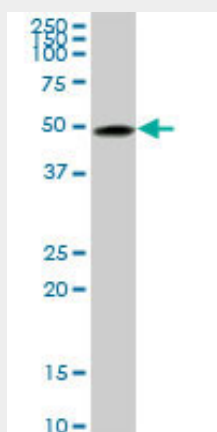
High expression in brain, where it represents 30% of all beta-tubulins.

TUBB2A / Tubulin Beta 2A Antibody (clone 2B2) - Protocols

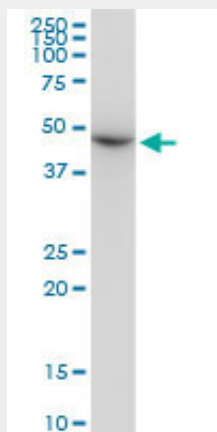
Provided below are standard protocols that you may find useful for product applications.

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

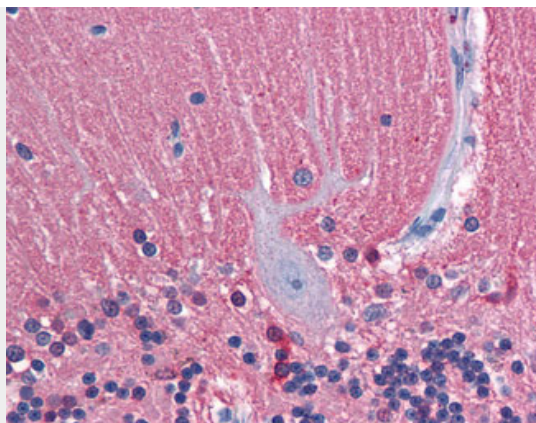
TUBB2A / Tubulin Beta 2A Antibody (clone 2B2) - Images



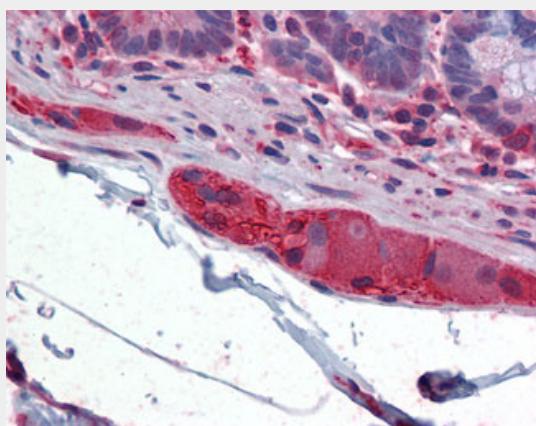
TUBB2A monoclonal antibody, clone 2B2. Western blot of TUBB2A expression in Jurkat.



TUBB2A monoclonal antibody, clone 2B2. Western blot of TUBB2A expression in NIH/3T3.



Anti-TUBB2A antibody IHC of human brain, cerebellum.



Anti-TUBB2A antibody IHC of human small intestine, submucosal plexus.

TUBB2A / Tubulin Beta 2A Antibody (clone 2B2) - 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).

TUBB2A / Tubulin Beta 2A Antibody (clone 2B2) - References

Leffers H.,et al.Submitted (JUN-1994) to the EMBL/GenBank/DDBJ databases.
Banerjee A.,et al.Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).
Lubec G.,et al.Submitted (DEC-2008) to UniProtKB.