



## $\alpha$ -tubulin (Acetyl Lys40) Monoclonal Antibody (5H5)

Cat #: ABM40246

Size: 30 $\mu$ l /100 $\mu$ l /200 $\mu$ l

### Product Information

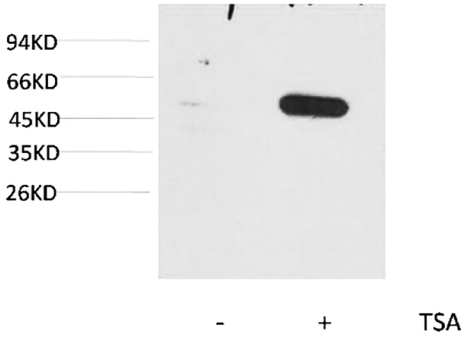
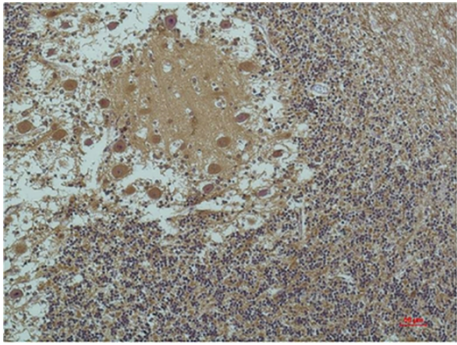
	<b>Product Name:</b> $\alpha$ -tubulin (Acetyl Lys40) Monoclonal Antibody (5H5)		
	<b>Applications:</b> WB, IHC-P		<b>Isotype:</b> Mouse IgG1
	<b>Reactivity:</b> Human, Mouse, Rat		
<b>REF</b>	<b>Catalog Number:</b> ABM40246	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constituents are part of the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highly conserved among and between species. TUBA4A (tubulin alpha 4a) encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. Alternatively spliced transcript variants encoding different isoforms have been found for TUBA4A.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000), IHC-P (1:100-1:200).

**Storage Buffer:** PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

 <p>94KD 66KD 45KD 35KD 26KD</p> <p>- + TSA</p>	<p>Fig.1. Western blot analysis of extracts from HeLa cells, untreated (-) or treated with TSA (1<math>\mu</math>M, 18 hr; +) , using Acetyl- <math>\alpha</math>-tubulin (Lys40) Mouse mAb 1:2000.</p>
	<p>Fig.2. Immunohistochemical analysis of paraffin-embedded Human Brain Tissue using <math>\alpha</math>-tubulin (Acetyl Lys40) Mouse mAb diluted at 1:200.</p>

**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.