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α-tubulin (Acetyl Lys40) Monoclonal Antibody (4A8)

Cat #: ABM40227 Size: 30μl /100μl /200μl

Product Information

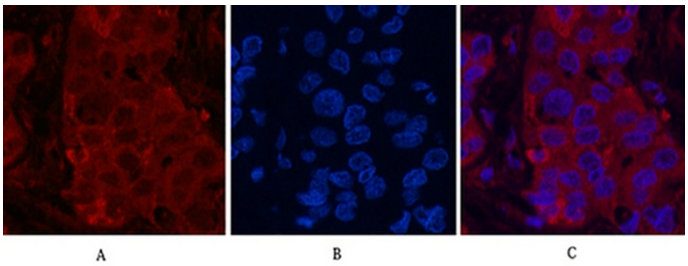
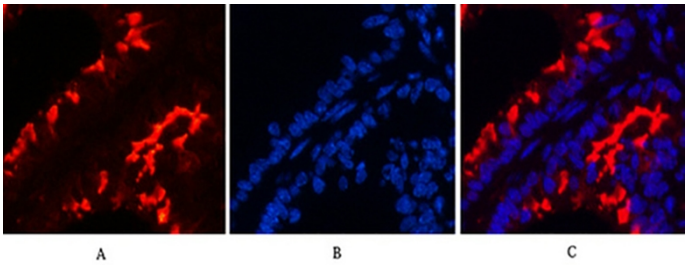
	Product Name: α-tubulin (Acetyl Lys40) Monoclonal Antibody (4A8)		
	Applications: WB, IF, IHC-P		**Isotype:** Mouse IgG1
	Reactivity: Human, Mouse, Rat		
REF	**Catalog Number:** ABM40227	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** 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 (1:50-1:100).

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.

	Fig.1. Immunofluorescence analysis of human liver cancer tissue. 1, α-tubulin (Acetyl Lys40) Monoclonal Antibody (4A8) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Pictur
	Fig.2. Immunofluorescence analysis of mouse lung tissue. 1, α-tubulin (Acetyl Lys40) Monoclonal Antibody (4A8) (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.