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Datasheet for ABIN7120355 anti-Tubulin antibody (acLys40)

Overview

Quantity:	100 µg
Target:	Tubulin (TUB)
Binding Specificity:	acLys40
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Tubulin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	tubulin, alpha 1a
Clone:	6A10
Isotype:	IgG1
Purification:	Protein A+G purification
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	Tubulin (TUB)
Alternative Name:	tubulin (TUB Products)
Background:	Synonyms:Acetylated alpha tubulin, Acetylated tubulin, acetylated-a-tubulin, acetyl-a-tubulin,

Target Details

alpha tubulin, Alpha tubulin 3, tubulin,TUBA1A Background:Tubulin, composed of heterodimers of alpha and beta tubulin, is the mainly component of microtubules which play important roles in cell motility, mitosis, and intracellular vesicle transport. Both alpha and beta tubulin undergo several posttranslational modifications such as polyglutamylation and acetylation/deacetylation. Tubulin acetylation occurs on lysine-40 at the N-terminal of alpha tubulin and is conserved across species. The histone deacetylase HDAC6 and SIRT2 has been identified as tubulin deacetylases. Reversible acetylation of alpha tubulin may be implicated in regulating microtubule stability, cell motility, and axon regeneration. The level of acetylated tubulin has been linked to epithelial malignancies and sensitivity to chemotherapy. In addition, acetylated tubulin has been widely used as a marker for primary cilia. This antibody is specific to the acetylated tubulin, it does not recognize non-acetylated tubulin.

Molecular Weight:	52 kDa
Gene ID:	7846
UniProt:	Q71U36

Application Details

Application Notes:	WB: 1:500-1:5000, IF: 1:20-1:200, IHC: 1:20-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months