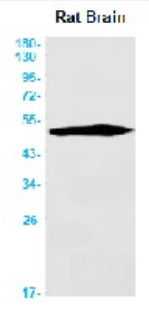
RecomAb™

TUBA4A recombinant monoclonal antibody, clone R02-9H1

Catalog # RAB01612 Size 100 uL

Applications



Western Blot

Western blot analysis of alpha Tubulin in rat Brain lysates using human alpha Tubulin recombinant monoclonal antibody, clone R02-9H1 (Cat # RAB01612).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human alpha Tubulin.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human alpha Tubulin
Theoretical MW (kDa)	Calculated MW: 50 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunoprecipitation
- Western Blot

  Western blot analysis of alpha Tubulin in rat Brain lysates using human alpha Tubulin recombinant monoclonal antibody, clone R02-9H1 (Cat # RAB01612).

Gene Info — TUBA4A

Entrez GeneID	7277
Protein Accession#	P68366
Gene Name	TUBA4A
Gene Alias	FLJ30169, H2-ALPHA, TUBA1
Gene Description	tubulin, alpha 4a
Omim ID	191110
Gene Ontology	Hyperlink
Gene Summary	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are comp osed of a heterodimer of alpha and beta tubulin. The genes encoding these microtubule constitue nts are part of the tubulin superfamily, which is composed of six distinct families. Genes from the a lpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins rep resent the major components of microtubules, while gamma tubulin plays a critical role in the nucle ation of microtubule assembly. There are multiple alpha and beta tubulin genes and they are highl y conserved among and between species. This gene encodes an alpha tubulin that is a highly con served homolog of a rat testis-specific alpha tubulin. [provided by RefSeq
Other Designations	tubulin alpha-1 chain|tubulin, alpha 1 (testis specific)

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Pathway

- Gap junction
- Pathogenic Escherichia coli infection - EHEC

Disease

- Diabetes Mellitus

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