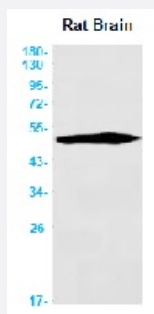


RecomAb™

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
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.
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 should be handled by trained staff only.

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).

- Immunoprecipitation

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 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. This gene encodes an alpha tubulin that is a highly conserved homolog of a rat testis-specific alpha tubulin. [provided by RefSeq]

Other Designations

tubulin alpha-1 chain|tubulin, alpha 1 (testis specific)

Pathway

- [Gap junction](#)
- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Diabetes Mellitus](#)