

DNAxPAb

Hard-to-Find
Antibody

TUBA1A DNAxPAb

Catalog # H00007846-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human TUBA1A DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MRECISIHVGQAGVQIGNACWELCYLEHGIQPDGQMPSDKTIGGGDDSFNTFFSETGAGKHVPRA VFVDLEPTVIDEVRTGTyrQLFHPEQLITGKEDAANNYARGHYTIGKEIIDLVLDRIKLADQCTGLQ GFLVFHSFGGGTSGSFTSLLMERLSVDYGKSKLEFSYPAPQVSTAVVEPYNSILTTHTTLEHSD CAFMDNEAAYDICRRNLDIERPTYTNLNLIGQVSSITASLRFDGALNVDLTEFQTNLVPYPRIHFPL ATYAPVISA EKAYHEQLSVAEITNACFEPANQMVKCDPRHGKYMCCLLYRGDVVPKDVNAAIATI KTKRTIQFVDWCPTGFKVGINYQPPTVVPGGDLAKVQRAVCMLSNTTAIAEAWARLDHKFDLMYA KRAFVHWYVGEGMEEGEFSEAREDMAALEKDYEEVGVD SVEGEGEEEEGEEY
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — TUBA1A

Entrez GeneID [7846](#)

GeneBank Accession# [BC006468.1](#)

Protein Accession# [AAH06468](#)

Gene Name TUBA1A

Gene Alias B-ALPHA-1, FLJ25113, LIS3, TUBA3

Gene Description tubulin, alpha 1a

Omim ID [602529 611603](#)

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 tubulins. The genes encoding these microtubule constituents belong to 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, which are highly conserved among species. This gene encodes alpha tubulin and is highly similar to mouse and rat Tuba1 gene. Northern blotting studies have shown that the gene expression is predominantly found in morphologically differentiated neurologic cells. This gene is one of three alpha-tubulin genes in a cluster on chromosome 12q. [provided by RefSeq]

Other Designations hum-a-tub1|hum-a-tub2|tubulin, alpha 3|tubulin, alpha, brain-specific

Pathway

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

Disease

- [Lissencephaly](#)
- [Mental Disorders](#)

- [Neuropsychological Tests](#)
- [Schizophrenia](#)