

Datasheet for ABIN2789868  
**anti-TUBA1A antibody (N-Term)**



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## Overview

Quantity:	100 µL
Target:	TUBA1A (Tuba1a)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUBA1A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Sequence:	QCTGLQGFLV FHSFGGGTGS GFTSLLMERL SVDYGKSKL EFSIYPAPQV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against TUBA1A. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	TUBA1A (Tuba1a)
Alternative Name:	TUBA1A ( <a href="#">Tuba1a Products</a> )
Background:	Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are

## Target Details

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.

Alias Symbols: B-ALPHA-1, FLJ25113, LIS3, TUBA3

Protein Interaction Partner: FUS, LGALS3BP, CDKN1A, CDC20, HAUS1, AURKB, UBC, TUBG1, TP53, SUMO2, TUBGCP4, CEP250, MAGED2, TUBGCP2, TUBGCP3, FKBP5, AARSD1, DNAJA4, HSP90AB1, IRS4, TTC1, STAU1, HSPA8, TBC1D3, TUBB, ATXN3, rev, TUBB6, SCPEP1, MAT2B, TUBA4A, MAT2A, GAPDH, DFFA, CDKN2A,

Protein Size: 451

Molecular Weight: 50 kDa

Gene ID: 7846

NCBI Accession: [NM\\_006009](#), [NP\\_006000](#)

UniProt: [Q71U36](#)

Pathways: [Microtubule Dynamics](#), [M Phase](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 451 AA

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

