

## Datasheet

### TUBA1 monoclonal antibody (M01), clone 2E11

**Catalog Number:** H00007277-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant TUBA1.

**Clone Name:** 2E11

**Immunogen:** TUBA1 (AAH09238, 1 a.a. ~ 448 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MRECISVHVGGQAGVQMGNACWELYCLEHGIQPDGQ  
MPSDKTIGGGDDSFSTFFCETGAGKHVPRAVFDLPE  
TVIDEIRNGPYRQLFHPEQLITGKEDAANNYARGHYTI  
GKEIIDPVLDRIRKLSQCTGLQGFLVFHSFGGGTGSG  
FTSLLMERLSVDYGGKSKLEFSIYPAPQVSTAVVEPYN  
SILTTHTTLEHSDCAFMDNEAIYDICRRNLDIERPTYT  
NLNRLISQIVSSITASLRFDGALNVDLTEFQTNLVPYPRI  
HFPLATYAPVISAEEKAYHEQLSVAEITNACFEPANQMV  
KCDPRHGKYMCCLLYRGDVPKDVNAAIAAIKTKRSI  
QFVDWCPTGFKVGINYQPPTVPPGGDLAKVQRAVCM  
LSNTTAIAEAWARLDHKFDLMYAKRAVHWYVGEEM  
EEGEFSEAREDMAALEKDYEEVGIDSYEDEDEGEE

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, IHC-P, RNAi-Ab, S-ELISA,  
WB-Ce, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2b kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 7277

**Gene Symbol:** TUBA4A

**Gene Alias:** FLJ30169, H2-ALPHA, TUBA1

**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]