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EB11685 - Goat Anti-TUBB3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: beta-4, CDCBM, CFEOM3A, class III beta-tubulin,

OTTHUMP00000176846, TUBB3, TUBB4, tubulin beta-3 chain, tubulin beta-4 chain,

tubulin beta-III, tubulin, beta 3 **Official Symbol:** TUBB3

Accession Number(s): NP_006077.2

Human GeneID(s): 10381

Non-Human GenelD(s): 22152 (mouse), 246118 (rat)

Important Comments: This antibody is expected to recognize isoform 1 (NP_006077.2)

only.

Immunogen

Peptide with sequence C-DPSGNYVGDSD, from the internal region (near N terminus) of the protein sequence according to NP_006077.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:1000.

Western blot: Approx 52kDa band observed in lysates of cell line HepG2 (calculated MW of 50.4kDa according to NP_006077.2). Recommended concentration: 1-3μg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow

Specific Reference

This antibody has been successfully used in the following paper:

Bismark Appiah et al.

DOT1L activity affects neural stem cell division mode and reduces differentiation and ASNS expression.

EMBO Rep. 2023 Aug; 24(8): e56233.

PMID: 37382163

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa

EB11685 ($2\mu g/ml$) staining of HepG2 lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.