
Product Name: KD-Validated Tubulin Beta 3 Class III Mouse Monoclonal Antibody**Catalog #: KVA01925**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 50.4kDa

Antigen Information

Gene Name	TUBB3 TUBB3; Tubulin Beta 3 Class III; CFEOM3A; Beta-4; CFEOM3; Class III Beta-Tubulin; Tubulin
Alternative Names	Beta-3 Chain; Tubulin Beta-4 Chain; Tubulin Beta-III; Tubulin, Beta 3; FEOM3; TUBB4; Fibrosis Of Extraocular Muscles, Congenital, 3; CDCBM1; CDCBM
Gene ID	10381.0
SwissProt ID	Q13509
Immunogen	A synthesized peptide derived from human TUBB3

Background

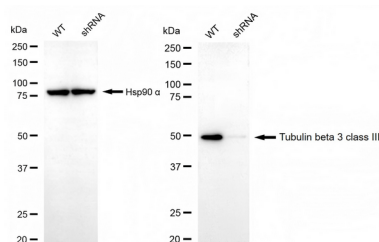
This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and

may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Oct 2010]

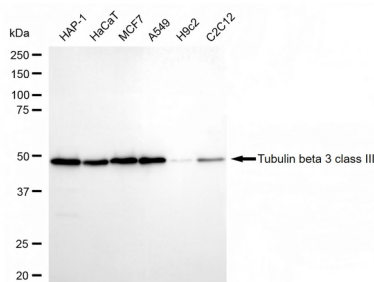
Research Area

Neuroscience, Signal Transduction, Tags & Cell Markers

Image Data



Western blotting analysis using tubulin beta 3 class III antibody (KVA01925). TUBB3 expression in wild-type (WT) and tubulin beta 3 class III (TUBB3) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with tubulin beta 3 class III antibody (KVA01925, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using tubulin beta 3 class III antibody (KVA01925). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with tubulin beta 3 class III antibody (KVA01925, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.