

Product Datasheet

Anti-beta III Tubulin TUBB3 Rabbit Monoclonal Antibody (orb547882)

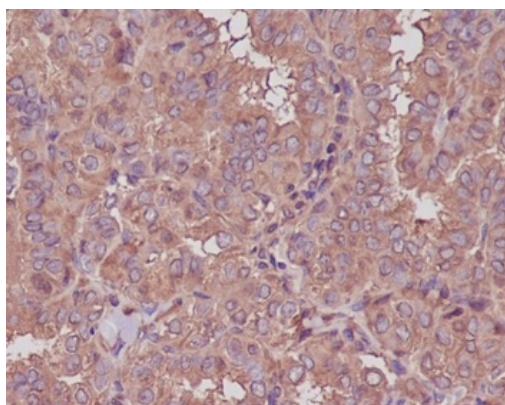
Description	Anti-beta III Tubulin TUBB3 Rabbit Monoclonal Antibody. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	FC, ICC, IF, IHC, IP, WB
Immunogen	A synthesized peptide derived from human beta III Tubulin
Form/Appearance	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	WB 1:5000-1:10000IHC 1:50-1:200ICC/IF 1:50-1:200IP 1:50FC 1:50. Restore with deionized water (or equivalent) for reconstitution volume of 1.0 mL
Isotype	Rabbit IgG
Clonality	Monoclonal
Clone Number	CC-20
Antibody Type	Primary Antibody

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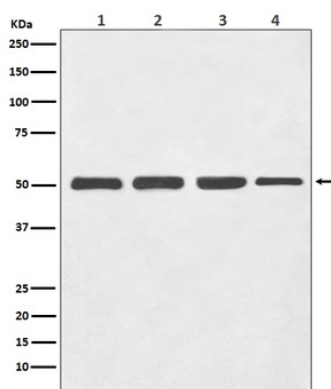
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MW 50 kDa**Uniprot ID** **Q13509****Expiration Date** 12 months from date of receipt.

Immunohistochemical analysis of paraffin-embedded human thyroid cancer, using beta III Tubulin Antibody (orb547882) TUBB3 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TUBB3 Antibody (orb547882) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # orb90444) with DAB as the chromogen.



Western blot analysis of beta III Tubulin expression in (1) HeLa cell lysate; (2) PC-12 cell lysate; (3) Mouse brain lysate; (4) Rat brain lysate with beta Tubulin III Antibody (orb547882). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TUBB3 monoclonal antibody (Catalog # orb547882) overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # orb90503) with Tanon 5200 system. A specific band was detected for TUBB3.

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