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Anti-Alpha-Tubulin Antibody (Monoclonal, DM1A)

Catalog Number: MA1107

Description

Gene Name	Tubulin alpha-1A chain
Protein Name	Tubulin alpha-1A chain
Size	100µg/vial
Form	Lyophilized
Ig Type	Mouse IgG1
Purification	Ascites
Species	Chicken, Human, Mouse, Rat
Immunogen	Microtubules from chicken embryo brain.
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Clonality	Monoclonal
Clone Number	DM1A

Applications

	Concentration	Tested Species	Predicted Species
Immunohistochemistry(Paraffin-embedded Section),	1-2µg/ml,	Human, mouse, rat, chicken,	By Heat
Western blot,	2µg/ml,	Human, mouse, rat, chicken	

Other applications have not been tested.

Optimal dilutions should be determined by end users.

Preparation and storage

Reconstitution:	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Storage:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Relevant detection systems

Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P).

Background

Alpha-tubulin(b-alpha-1) mRNA is expressed only in brain with a molecular weight of about 55,000. The 3-prime UTR of b-alpha-1 is more than 80% homologous to the UTR of the rat brain alpha-tubulin gene, IL-alpha-T1. B-alpha-1 encodes a predicted 451-amino acid protein that is 100% identical to the rat homolog and differs by only 2 and 3 amino acids from the pig and chicken homologs, respectively.