

Anti-MAP7D1 Antibody

Catalog Number: A13074-1

About MAP7D1

MAP7D1 also known as RPRC1, PARCC1, belongs to the MAP7 family. The MAP7 (Microtubule Associated Protein 7) protein family, consisting of four members, MAP7, MAP7D1, and MAP7D2, MAP7D3, is the microtubule-associated protein involved in various cellular processes regulating microtubule dynamics, organization, and stability (PMID: 28980356). MAP7D1 exhibits the highest conservation with MAP7 and was recently identified as a phosphorylation substrate of DCLK1 in cortical neurons. MAP7D1 is required to maintain MT acetylation, which is enriched in stable MTs (PMID: 35470240). Consistent with the literature, the apparent molecular mass of MAP7D1 detected by Western blot was 120-130 kDa (PMID: 35470240, 37550720).

Overview

Product Name	Anti-MAP7D1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-MAP7D1 Antibody catalog # A13074-1. Tested in WB, IHC, ICC, IF, IP, ELISA applications. This antibody reacts with Human.
Application	ELISA, IP, IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q3KQU3

Technical Details

Immunogen	E.coli-derived human MAP7D1 recombinant protein (Position: G593-E839).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

Immunohistochemistry, 1:50-400
Immunocytochemistry/Immunofluorescence, 1:50-400
ImmunoPrecipitation, 1:250-300
ELISA, 1:100-1000

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