

Anti-AP2S1 Antibody

Catalog Number: A07176-1

About AP2S1

AP2S1 is a component of the adaptor protein complex 2 (AP-2). AP complexes are cytosolic heterotetramers that mediate the sorting of membrane proteins in the secretory and endocytic pathways. AP complexes are involved in the formation of clathrin-coated vesicles (CCVs) by recruiting the scaffold protein, clathrin. AP complexes also play a pivotal role in cargo selection by recognizing the sorting signals within the cytoplasmic tail of integral membrane proteins. AP-2 is composed of two large adaptins (alpha-type subunit AP2A1 or AP2A2 and beta-type subunit AP2B1), a medium adaptin (mu-type subunit AP2M1), and a small adaptin (sigma-type subunit AP2S1). It works on the plasma membrane to internalize cargo in clathrin-mediated endocytosis. Missense mutations of AP2S1 affect Arg15 and lead to familial hypocalciuric hypercalcemia type 3 (FHH3), an extracellular calcium homeostasis disorder affecting the parathyroids, kidneys and bone (PMID: 23222959).

Overview

Product Name	Anti-AP2S1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-AP2S1 Antibody catalog # A07176-1. Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, 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	P53680

Technical Details

Immunogen	E.coli-derived human AP2S1 recombinant protein (Position: R3-Q139).
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
ELISA, 1:100-1000

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Anti-AP2S1 Antibody

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