

## ARG59798 anti-AP3B1 / HPS2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes AP3B1 / HPS2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AP3B1 / HPS2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 895-1094 of Human AP3B1 (NP_003655.3).
Conjugation	Un-conjugated
Alternate Names	Adaptor-related protein complex 3 subunit beta-1; AP-3 complex subunit beta-1; HPS; ADTB3A; Clathrin assembly protein complex 3 beta-1 large chain; Adaptor protein complex AP-3 subunit beta-1; ADTB3; HPS2; PE; Beta-3A-adaptin

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse liver and SW620	
Observed Size	132 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

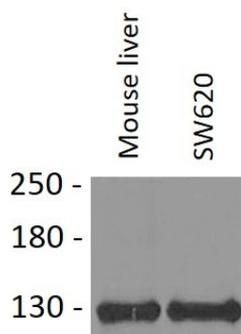
**Note**

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	AP3B1
Gene Full Name	adaptor-related protein complex 3, beta 1 subunit
Background	This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is part of the heterotetrameric AP-3 protein complex which interacts with the scaffolding protein clathrin. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 2. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2012]
Function	Subunit of non-clathrin- and clathrin-associated adaptor protein complex 3 (AP-3) that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules. AP-3 appears to be involved in the sorting of a subset of transmembrane proteins targeted to lysosomes and lysosome-related organelles. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. [UniProt]
Calculated Mw	121 kDa
PTM	Phosphorylated on serine residues. [UniProt]
Cellular Localization	Cytoplasmic vesicle, clathrin-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Golgi apparatus. Note=Component of the coat surrounding the cytoplasmic face of coated vesicles located at the Golgi complex. [UniProt]

## Images



ARG59798 anti-AP3B1 / HPS2 antibody WB image

Western blot: 25 µg of Mouse liver and SW620 cell lysates stained with ARG59798 anti-AP3B1 / HPS2 antibody at 1:1000 dilution.