

Datasheet for ABIN4886461  
**anti-AP2B1 antibody (AA 311-522)**



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1 Image

## Overview

Quantity:	100 µg
Target:	AP2B1
Binding Specificity:	AA 311-522
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AP2B1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for AP-2 complex subunit beta(AP2B1) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	E. coli-derived human AP2B1 recombinant protein (Position: Q311-R522). Human AP2B1 shares 100% amino acid (aa) sequence identity with both mouse and rat AP2B1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for AP-2 complex subunit beta(AP2B1) detection. Tested with WB in Human,Mouse,Rat.</p> <p>Gene Name: adaptor related protein complex 2 beta 1 subunit</p> <p>Protein Name: AP-2 complex subunit beta</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	AP2B1
Alternative Name:	AP2B1 ( <a href="#">AP2B1 Products</a> )
Background:	<p>AP-2 complex subunit beta is a protein that in humans is encoded by the AP2B1 gene. It is mapped to 17q12. The protein encoded by this gene is one of two large chain components of the assembly protein complex 2, which serves to link clathrin to receptors in coated vesicles. The encoded protein is found on the cytoplasmic face of coated vesicles in the plasma membrane. Two transcript variants encoding different isoforms have been found for this gene.</p> <p>Synonyms: Adaptin, beta 2 (beta)   ADTB2   AP105B   AP2 BETA   Ap2b1   Beta adaptin   Beta-2-adaptin   Beta-adaptin   Beta2 adaptin   CLAPB1   P63010</p>
Gene ID:	163
UniProt:	<a href="#">P63010</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">EGFR Downregulation</a>

## Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat</p> <p>Notes: Tested Species: Species with positive results.</p> <p>Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage:	4 °C/-20 °C
Storage Comment:	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.

Images



Western Blotting

**Image 1.** Western blot analysis of AP2B1 expression in rat testis extract ( Lane 1), mouse brain extract ( Lane 2) and MCF-7 whole cell lysates ( Lane 3). AP2B1 at 104KD was detected using rabbit anti- AP2B1 Antigen Affinity purified polyclonal antibody (Catalog # ) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).