

## CD298 Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP01447
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from CD298 . at AA range: 60-140
Mol wt	31513
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	CD298 Antibody
Synonyms	ATP1B3; Sodium/potassium-transporting ATPase subunit beta-3; Sodium/potassium-dependent ATPase subunit beta-3; ATPB-3; CD antigen CD298

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

ATPase Na<sup>+</sup>/K<sup>+</sup> transporting subunit beta 3 encoded by ATP1B3 belongs to the family of Na<sup>+</sup>/K<sup>+</sup> and H<sup>+</sup>/K<sup>+</sup> ATPases beta chain proteins, and to the subfamily of Na<sup>+</sup>/K<sup>+</sup> -ATPases. Na<sup>+</sup>/K<sup>+</sup> -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprotein subunit of Na<sup>+</sup>/K<sup>+</sup> -ATPase is encoded by multiple genes. ATP1B3 encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for ATP1B3, and it is located on chromosome 2.

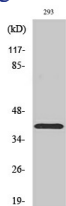
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

### Images



Western Blot analysis of various cells using CD298 Polyclonal Antibody diluted at 1:1000

### Storage

-20°C for one year

