

Recombinant

DGRmAb®

**ATP1B2 (DGR16706) Rabbit mAb (PBS Only)**

db11211-PBS

Package : 100µg

**Product Name** : ATP1B2 (DGR16706) Rabbit mAb (PBS Only)**Cat.No.:** db11211-PBS**Synonyms** : AMOG**Application** : WB, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

The protein encoded by this gene 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. This gene encodes a beta 2 subunit. Two transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Dec 2014]

**Immunogen**

A synthetic peptide of human ATP1B2

**Gene ID**

482, 11932, 24214

**Swiss Prot**

P14415, P14231, P13638

**Synonyms**

AMOG

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IP

**Recommended dilution**

WB: 1:2000-1:20000

IP: 1:50-1:100

**Calculated MW**

33 kDa

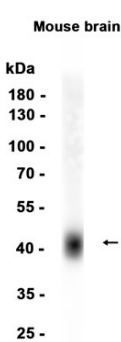
**Observed MW**

45 kDa

**Host species**

Rabbit

Clonality	Monoclonal
Clonality No.	DGR16706
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Mouse brain tissue using [db11211](#)