



Rabbit anti-Rat alpha 3 Sodium Potassium ATPase polyclonal antibody (DPABH-29252)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This is the catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of sodium and potassium ions across the plasma membrane. This action creates the electrochemical gradient of sodium and potassium ions, providing the energy for active transport of various nutrients.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Rat alpha 3 Sodium Potassium ATPase.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	ATP1A3 ATPase, Na+/K+ transporting, alpha 4 polypeptide [Rattus norvegicus]
Official Symbol	ATP1A3
Synonyms	ATP1A3; ATPase, Na+/K+ transporting, alpha 3 polypeptide; Atpa1a3; sodium/potassium-transporting ATPase subunit alpha-3; sodium pump subunit alpha-3; Na+/K+ -ATPase alpha 3 subunit; Na(+)/K(+) ATPase alpha-3 subunit; Na(+)/K(+) ATPase alpha(III) subunit; ATPase, Na+K+ transporting, alpha 3 subunit;
Entrez Gene ID	24213
Protein Refseq	NP_036638.1
UniProt ID	P06687
Pathway	Adrenergic signaling in cardiomyocytes; Aldosterone-regulated sodium reabsorption; Bile secretion; Carbohydrate digestion and absorption
Function	ATP binding; D1 dopamine receptor binding; cation-transporting ATPase activity; metal ion binding