

Anti-ATPase, Na⁺K⁺ (canine kidney) in chicken, IgG fraction

Description

Polysciences' anti-ATPase, Na⁺K⁺ (canine kidney) in chicken, IgG fraction, reacts with ATPase from canine kidney. This antibody has broad reactivity and will react with all domains on both alpha and beta subunits. Cross-reactivity is expected against mammalian forms of this enzyme. Anti-ATPase is suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation, conjugation and most immunological methods requiring high titer and specificity.

Characteristics

Physical State:	Lyophilized
Antibody Concentration:	10.0 mg/ml (by UV absorbance at 280nm)
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride (pH 7.2)
Stabilizer:	None
Preservative:	0.01% (w/v) Sodium Azide
Immunogen:	ATPase, Sodium, Potassium (Canine Kidney)

Recommended Dilution(s)

This product has been assayed by western blot and was found to be reactive against the intact enzyme and enzyme subunits (alpha at 100 kDa and beta at 50 kDa), as well as glycosylated and non-glycosylated enzyme forms. A dilution of 1:100 to 1:500 is suggested for immunoblotting followed by reaction with Peroxidase conjugated Affinity Purified anti-Chicken IgG [H&L] (Rabbit) and ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:6,000 of the reconstitution concentration is suggested for this product. The researcher should determine optimal titers for other applications.

Purity and Specificity

This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Chicken Serum, as well as purified and partially purified ATPase, Sodium, Potassium (Canine Kidney). Cross reactivity against ATPase, Sodium, Potassium from other tissues and species may occur, but have not been specifically determined.

Storage and Stability

Store at 4°C prior to restoration. Restore with 0.5ml of deionized water (or equivalent). Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of restoration.

This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.

Ordering Information

Cat. Number	Description	Size
23720-5	Anti-ATPase, Na+K+ (canine kidney) in chicken, IgG fraction	5mg

To Order

In The U.S. Call: 1-800-523-2575 • 215-343-6484

In The U.S. FAX: 1-800-343-3291 • 215-343-0214

In Germany Call: (49) 6221-765767

In Germany FAX: (49) 6221-764620

Order online anytime at www.polysciences.com.