



AT2C2 Polyclonal Antibody

Catalog No	YP-Ab-05405
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	ATP2C2 KIAA0703 SPCA2
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	AT2C2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AT2C2;ATP2C2 KIAA0703 SPCA2;Calcium-transporting ATPase type 2C member 2 (ATPase 2C2) (EC 3.6.3.8) (Secretory pathway Ca(2+)-ATPase 2)
Observed Band	104kD
Calculated Molecular Weight	104kD
Cell Pathway	Golgi apparatus, trans-Golgi network membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Highly expressed in the gastrointestinal and respiratory tracts, prostate, thyroid, salivary, and mammary glands (PubMed:15831496). Expressed in colon epithelial cells (at protein level). Expressed in brain and testis (at protein level) (PubMed:15677451).
Function	catalytic activity:ATP + H(2)O + Ca(2+)(Cis) = ADP + phosphate + Ca(2+)(Trans) .,function:This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium.,similarity:Belongs to the cation transport ATPase (P-type) family.,similarity:Belongs to the cation transport ATPase (P-type) family. Type IIA subfamily.,

Background

catalytic activity: $\text{ATP} + \text{H}_2\text{O} + \text{Ca}^{2+}(\text{Cis}) = \text{ADP} + \text{phosphate} + \text{Ca}^{2+}(\text{Trans})$
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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images