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530-758-4400

PRODUCT DATASHEET

Anti-Na+/K+ ATPase β3 (Extracellular) Antibody

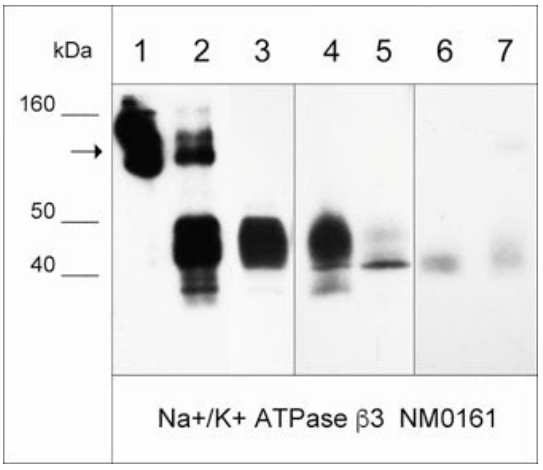
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Product Details

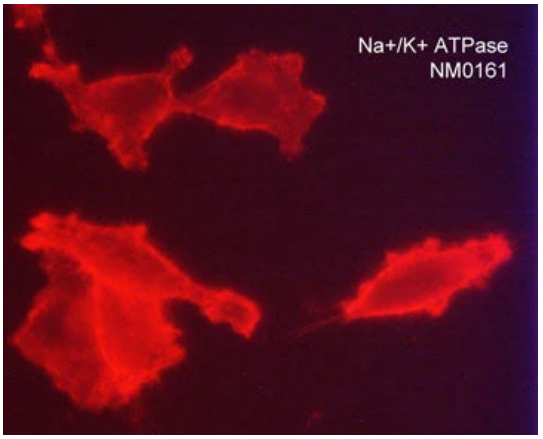
Available Variants	100 µL (SKU:NM0161)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M016
Gene Name	ATP1B3
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:50 IP: 1:50
Species Reactivity	Human
Immunogen	Clone (M016) was generated from a proprietary antigen related to the native human Na+/K+ ATPase β3 subunit expressed in A431 epidermoid carcinoma cell line.
Specificity	Clone M016 mouse monoclonal antibody detects a 40 kDa* protein on SDS-PAGE "Native" immunoblots of human A431, LNCaP, MeWo, MDA-MB-231, and MCF7 cells. This antibody does not detect denatured Na+/K+ ATPase β3 subunit. In addition, mass spectrometry analysis of immunoprecipitates using NM0161 in human A431 cell lysates confirms that this antibody only detects Na+/K+ ATPase β3 protein.The antibody works for western blot, immunoprecipitation, ELISA, and immunocytochemistry, as well as detects the β3 subunit on live cells.

Molecular Weight	40
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P54709 UniProt Summary: This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The exact function of the beta-3 subunit is not known.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	483

Product Images



Western blot of NM0161 immunoprecipitates (IP) and whole lysates. The NM0161 antibody only (lane 1), IP from A431 cell lysate (lane 2), A431 cell input (lane 3), LNCaP cells (lane 4), MeWo cells (lane 5), and normal human lung (lane 6) and skin (lane 7). The blot was probed with anti-Na+/K+ ATPase β3 NM0161 (lanes 1-7). The arrow designates native antibody, while the β3 subunit migrates around 40 kDa.



Immunocytochemical labeling of Na+/K+ ATPase β3 in paraformaldehyde fixed human MDA-MB-231 cells. The cells were labeled with mouse monoclonal anti-Na+/K+ ATPase β3 (clone M016). The antibody was detected using goat anti-mouse Ig DyLight® 594.