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Datasheet for ABIN2787752
anti-ATP6V1E2 antibody (Middle Region)

1 Image

Overview

Quantity:	100 µL
Target:	ATP6V1E2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Sheep, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1E2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATP6V1E2
Sequence:	LMSTMRNQAR LKVLRRNDL ISDLLSEAKL RLSRIVEDPE VYQGLLDKLV
Predicted Reactivity:	Cow: 79%, Dog: 79%, Guinea Pig: 86%, Horse: 79%, Human: 100%, Mouse: 79%, Rabbit: 79%, Rat: 86%, Sheep: 79%
Characteristics:	This is a rabbit polyclonal antibody against ATP6V1E2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ATP6V1E2
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Target Details

Alternative Name:	ATP6V1E2 (ATP6V1E2 Products)
Background:	<p>ATP6V1E2 is a subunit of the peripheral V1 complex of vacuolar ATPase essential for assembly or catalytic function. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. This isoform is essential for energy coupling involved in acidification of acrosome.</p> <p>Alias Symbols: ATP6E1, ATP6EL2, ATP6V1EL2, MGC9341, VMA4</p> <p>Protein Interaction Partner: C9orf16, ATP6V1G1, UBC,</p> <p>Protein Size: 226</p>
Molecular Weight:	26 kDa
Gene ID:	90423
NCBI Accession:	NM_080653 , NP_542384
UniProt:	Q96A05
Pathways:	Transition Metal Ion Homeostasis , Proton Transport

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 226 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-ATP6V1E2 Antibody Titration:
0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Human
Spleen