

Datasheet for ABIN2787359
anti-ATP6V1G2 antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	ATP6V1G2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Pig, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1G2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ATP6V1G2
Sequence:	NLSAEVEQAT RRQVQGMQSS QQRNRERVLA QLLGMVCDVR PQVHPNYRIS
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 93%, Pig: 93%, Rabbit: 93%, Rat: 100%, Sheep: 93%
Characteristics:	This is a rabbit polyclonal antibody against ATP6V1G2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ATP6V1G2
Alternative Name:	ATP6V1G2 (ATP6V1G2 Products)

Target Details

Background:	<p>This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of three V1 domain G subunit proteins. This gene had previous gene symbols of ATP6G and ATP6G2. Alternatively spliced transcript variants encoding different isoforms have been described.</p> <p>Alias Symbols: ATP6G, ATP6G2, NG38, VMA10</p> <p>Protein Interaction Partner: UBC, IQCB1, ATP6V1E1,</p> <p>Protein Size: 118</p>
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Molecular Weight:	13 kDa
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Gene ID:	534
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NCBI Accession:	NM_130463 , NP_569730
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UniProt:	O95670
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Pathways:	Transition Metal Ion Homeostasis , Proton Transport
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 118 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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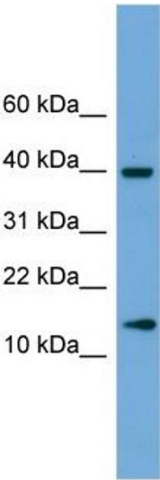
Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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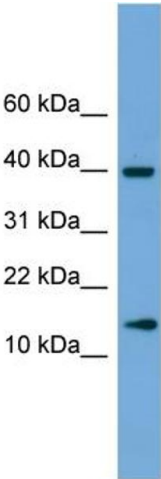
Handling

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.

Validation report #103662 for Western Blotting (WB)



Western Blotting				
Image 1.	WB	Suggested	Anti-ATP6V1G2	Antibody
Titration: 0.2-1 ug/ml				
Positive Control: Human brain				



Rabbit Anti-ATP6V1G2 Antibody
Catalog Number: ARP57723
Lot Number: QC29324
Lane: Fetal Brain Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 10-20%

Western Blotting	
Image 2.	WB Suggested Anti-ATP6V1G2
Antibody Titration: 0.2-1 µg/mL	
Positive Control: Human brain	