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KCNA10 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10799

Specification

KCNA10 antibody - middle region - Product Information

Application	**IHC, WB**
Primary Accession	Q16322
Other Accession	NM_005549, NP_005540
Reactivity	**Human, Mouse, Rat, Bovine, Dog**
Predicted	**Mouse, Rat, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**56kDa KDa**

KCNA10 antibody - middle region - Additional Information

Gene ID 3744

Alias Symbol	**Kcn1, Kv1.8**

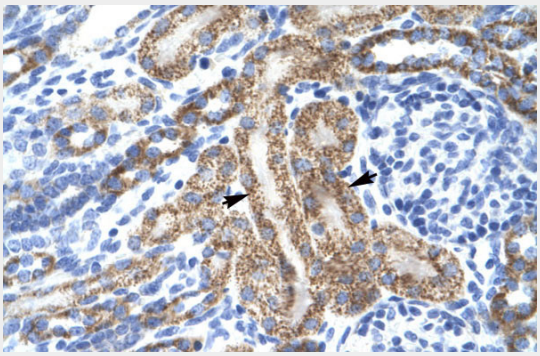
Other Names
Potassium voltage-gated channel subfamily A member 10, Voltage-gated potassium channel subunit Kv1.8, KCNA10

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

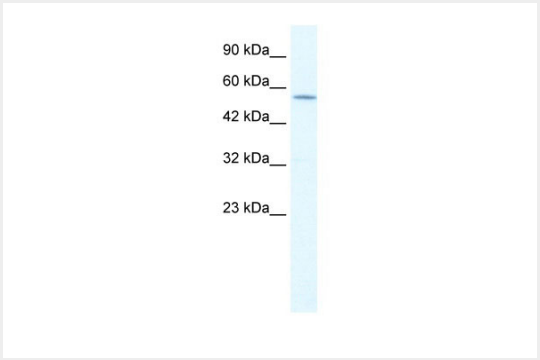
Reconstitution & Storage
Add 100 ul of distilled water. Final anti-KCNA10 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
KCNA10 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

KCNA10 antibody - middle region - Protein Information



Human kidney



WB Suggested Anti-KCNA10 Antibody
Titration: 1.25µg/ml
ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate

KCNA10 antibody - middle region - References

Yao,X., et al., (2002) J. Am. Soc. Nephrol. 13 (12), 2831-2839Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

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Name KCNA10

Function
Mediates voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. The channel activity is up-regulated by cAMP.

Cellular Location
Membrane; Multi- pass membrane protein

Tissue Location
Detected in kidney, in proximal tubules, glomerular endothelium, in vascular endothelium and in smooth muscle cells

KCNA10 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture