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Datasheet for ABIN6736411 anti-KCNQ2 antibody (AA 154-203)





Overview

Quantity:	100 μL
Target:	KCNQ2
Binding Specificity:	AA 154-203
Reactivity:	Human, Rat, Mouse, Dog, Cow, Guinea Pig, Horse, Bat, Chicken, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa154-203 of human KCNQ2 (NP_004509). Percent identit
	by BLAST analysis: Human, Chimpanzee, Gorilla, Monkey, Galago, Marmoset, Mouse, Rat,
	Elephant, Panda, Dog, Bovine, Bat, Horse, Opossum, Guinea pig, Turkey, Zebra finch, Chicken,
	Platypus, Lizard (100%), Zebrafish (92%), Gibbon, Rabbit, Pig, Armadillo (90%), Xenopus,
	Stickleback (85%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human KCNQ2
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Rat, Dog, Bovine, Horse, Chicken (100%)

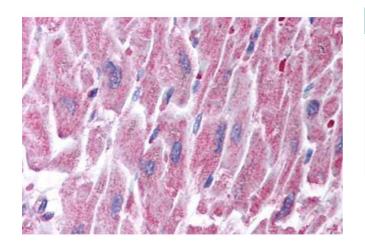
Product Details Zebrafish (92%). Purification: Immunoaffinity purified **Target Details** KCNQ2 Target: Alternative Name: KCNQ2 (KCNQ2 Products) Background: Name/Gene ID: KCNQ2 Subfamily: Potassium channel - KCNQ Family: Ion Channel Synonyms: KCNQ2, BFNS1, BFNC, EBN, EBN1, EIEE7, HNSPC, KQT2, KV7.2, KCNA11, KQT-like 2, ENB1, KVEBN1 Gene ID: 3785 NCBI Accession: NP_004509 UniProt: 043526

Application Details	
Application Notes:	Approved: IHC, IHC-P (5 μg/mL), WB (0.2 - 1 μg/mL)
	Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were
	incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	After adding water, will consist of PBS buffer with 2 % sucrose

Handling

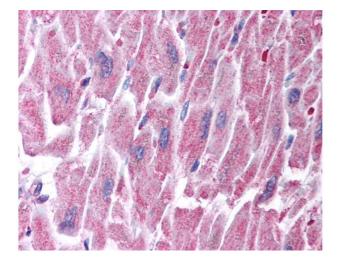
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Heart (formalin-fixed, paraffin-embedded) stained with KCNQ2 antibody ABIN214789 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-KCNQ2 antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other form ...