
Product Name: KVβ.3 Rabbit Polyclonal Antibody**Catalog #: APRab13172**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	45kDa

Antigen Information

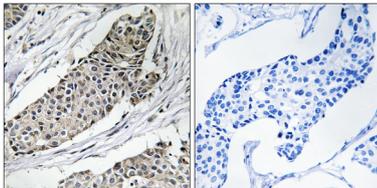
Gene Name	KCNAB3
Alternative Names	KCNAB3; KCNA3B; Voltage-gated potassium channel subunit beta-3; K(+) channel subunit beta-3; Kv-beta-3
Gene ID	9196.0
SwissProt ID	O43448
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNAB3. AA range:293-342

Background

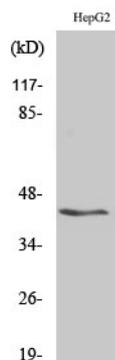
This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. The encoded protein is one of the beta subunits, which are auxiliary proteins associating with functional Kv-alpha subunits. The encoded protein forms a heterodimer with the potassium voltage-gated channel, shaker-related subfamily, member 5 gene product and regulates the activity of the alpha subunit. [provided by RefSeq, May 2012],domain:Alteration of functional properties of alpha subunit is mediated through N-terminal domain of beta subunit.,function:Accessory potassium channel protein which modulates the activity of the pore-forming alpha subunit. Alters the functional properties of Kv1.5.,similarity:Belongs to the shaker potassium channel beta subunit family.,subunit:Forms heteromultimeric complex with alpha subunits.,tissue specificity:Brain specific. Most prominent expression in cerebellum. Weaker signals detected in cortex, occipital lobe, frontal lobe and temporal lobe. Not detected in spinal cord, heart, lung, liver, kidney, pancreas, placenta and skeletal muscle.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using KCNAB3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using KV β .3 Polyclonal Antibody