


Product datasheet

Anti-KCNAB3 antibody ab66625

2 Images

Overview

Product name	Anti-KCNAB3 antibody
Description	Rabbit polyclonal to KCNAB3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog 
Immunogen	A region within synthetic peptide: GRGTGMKYRN LGKSGLRVSC LGLGTWVTFG SQISDETAED VLTVAYEHGV, corresponding to N terminal amino acids 73-122 of Human KCNAB3 Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human kidney tissue, Jurkat cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab66625** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

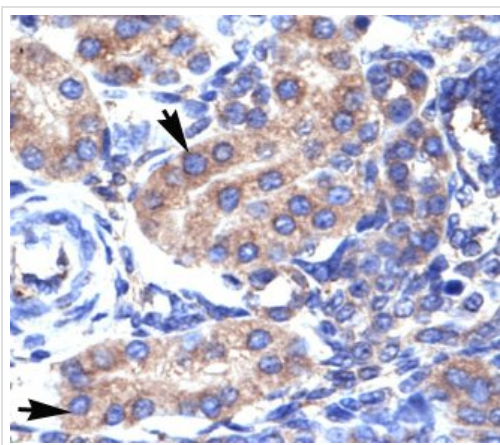
Application	Abreviews	Notes

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WB		Use a concentration of 0.65 µg/ml. Detects a band of approximately 44 kDa (predicted molecular weight: 44 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.
IHC-P		Use a concentration of 4 - 8 µg/ml.

Target

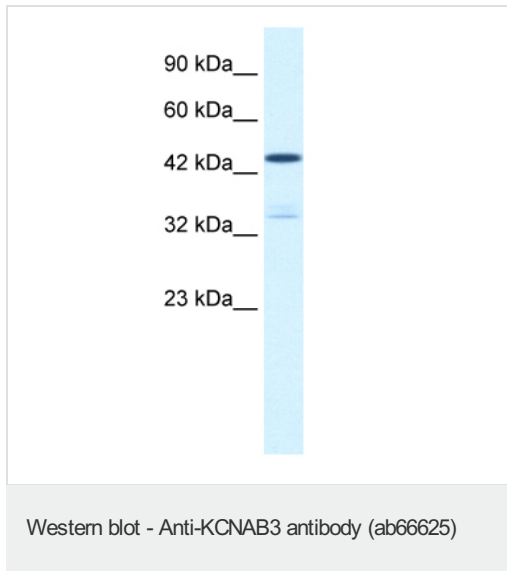
Function	Accessory potassium channel protein which modulates the activity of the pore-forming alpha subunit. Alters the functional properties of Kv1.5.
Tissue specificity	Brain specific. Most prominent expression in cerebellum. Weaker signals detected in cortex, occipital lobe, frontal lobe and temporal lobe. Not detected in spinal cord, heart, lung, liver, kidney, pancreas, placenta and skeletal muscle.
Sequence similarities	Belongs to the shaker potassium channel beta subunit family.
Domain	Alteration of functional properties of alpha subunit is mediated through N-terminal domain of beta subunit.
Cellular localization	Cytoplasm.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling KCNAB3 with ab66625 at 4-8µg/ml. Arrows indicate positively labelled epithelial cells of the renal tubules. Magnification: 400X.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KCNAB3 antibody (ab66625)



Anti-KCNAB3 antibody (ab66625) at 0.65 µg/ml + Jurkat cell lysate at 10 µg

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size: 44 kDa

Observed band size: 44 kDa

Additional bands at: 34 kDa. We are unsure as to the identity of these extra bands.

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