


Product datasheet

Anti-Kv1.6 antibody [S19-36] ab110120

1 Image

Overview

Product name	Anti-Kv1.6 antibody [S19-36]
Description	Mouse monoclonal [S19-36] to Kv1.6
Host species	Mouse
Specificity	ab110120 does not cross react with other Kv1 channels.
Tested applications	Suitable for: WB, IHC-P, IHC-Fr, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow 
Immunogen	Synthetic peptide: RERRSSYLPTPHRAYAEKR , corresponding to C terminal amino acids 507-525 of Rat Kv1.6. Run BLAST with Run BLAST with
Positive control	Rat brain lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.40 Preservative: 0.09% Sodium azide Constituents: 50% PBS, 50% Glycerol
Purity	IgG fraction
Purification notes	ab110120 is PEG Purified.
Clonality	Monoclonal
Clone number	S19-36
Isotype	IgG3

Applications

Our [Abpromise guarantee](#) covers the use of **ab110120** in the following tested applications.

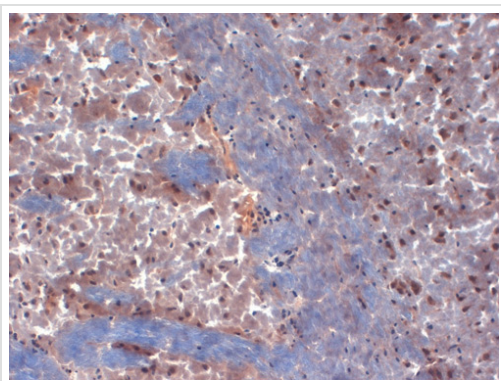
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 59 kDa.
IHC-P		Use a concentration of 0.1 - 1 µg/ml.
IHC-Fr		Use a concentration of 0.1 - 1 µg/ml.
ICC/IF		Use a concentration of 1 - 10 µg/ml.

Target

Function	Mediates the 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.
Sequence similarities	Belongs to the potassium channel family. A (Shaker) (TC 1.A.1.2) subfamily. Kv1.6/KCNA6 sub-subfamily.
Domain	<p>The N-terminus may be important in determining the rate of inactivation of the channel while the tail may play a role in modulation of channel activity and/or targeting of the channel to specific subcellular compartments.</p> <p>The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.</p>
Cellular localization	Membrane.

Images



Immunohistochemical detection of Kv1.6 in frozen sections of Mouse brain extract using ab110120.

Immunohistochemistry (Frozen sections) - Anti-Kv1.6 antibody [S19-36] (ab110120)

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