

Datasheet for ABIN7043527

anti-KCNA5 antibody (C-Term, Intracellular) (Atto 550)[Go to Product page](#)**2** Images

Overview

Quantity:	50 µL
Target:	KCNA5
Binding Specificity:	AA 513-602, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA5 antibody is conjugated to Atto 550
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: GST fusion protein Immunogen Sequence: GST fusion protein with the sequence HRETDHEEQAAALKEEQGIQRRESGLDTGGQRKVSCSKASFHKTGGPLESTDSIRRGSCPLEKCHLKAKSNVDLRRSLYALCLDTS corresponding to amino acid residues 513-602 of mouse KV1.5
Isotype:	IgG

Characteristics: Anti-KV1.5 (KCNA5) Antibody (ABIN7043528, ABIN7044902 and ABIN7044903)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot, immunohistochemistry, immunocytochemistry and immunoprecipitation applications. It has been designed to recognize KV1.5 from human, rat, and mouse samples. The Anti-KV1.5 (KCNA5)-ATTO Fluor-550 Antibody (#ABIN7043527) is directly labeled with an ATTO-550 fluorescent dye. ATTO dyes are characterized by strong absorption (high extinction coefficient), high fluorescence quantum yield, and high photostability. The ATTO-550 fluorescent label is related to the well known dye Rhodamine 6G and can be used with filters typically used to detect Rhodamine. Anti-KV1.5 (KCNA5)-ATTO Fluor-550 Antibody is especially suited for experiments requiring simultaneous

Product Details

	labeling of different markers.
Purification:	The serum was depleted of anti-GST antibodies by affinity chromatography on immobilized GST and then the IgG fraction was purified on immobilized antigen.

Target Details

Target:	KCNA5
Alternative Name:	KV1.5 (KCNA5 (KCNA5 Products))
Background:	Alternative names: KV1.5 (KCNA5), Potassium voltage-gated channel subfamily A member 5
Gene ID:	16493
NCBI Accession:	NM_002234
UniProt:	Q61762

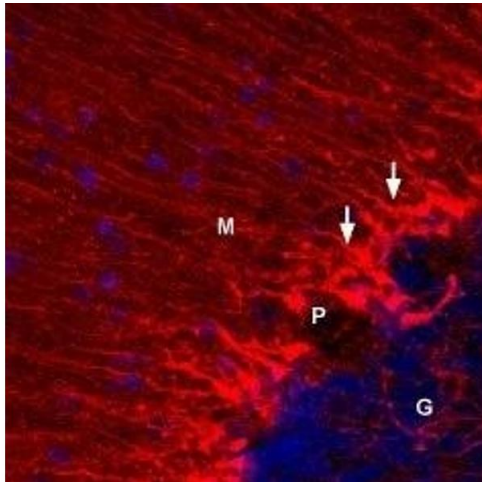
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

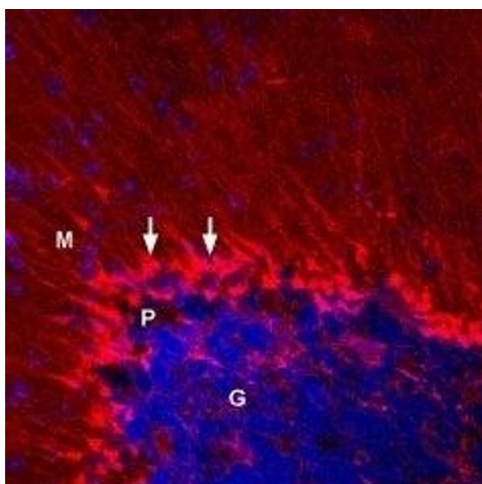
Format:	Lyophilized
Reconstitution:	50 µL double distilled water (DDW).
Concentration:	1 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 5 % sucrose, 0.025 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C, protected from the light, for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid</p>

multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Immunohistochemistry

Image 1. Expression of KV1.5 in rat cerebellum - Immunohistochemical staining of perfusion fixed, free-floating frozen rat brain sections using Anti-KV1.5 (KCNA5)-ATTO Fluor-550 Antibody (ABIN7043527), (1:50), (red). Staining was detected in cerebellar Bergmann glial cells (arrows). DAPI is used as the counterstain (blue). G = granule layer, P = Purkinje layer, M = molecular layer.



Immunohistochemistry

Image 2. Expression of KV1.5 in mouse cerebellum - Immunohistochemical staining of perfusion fixed, free-floating frozen mouse brain sections using Anti-KV1.5 (KCNA5)-ATTO Fluor-550 Antibody (ABIN7043527), (1:50), (red). Staining was detected in cerebellar Bergmann glial cells (arrows). DAPI is used as the counterstain (blue). G = granule layer, P = Purkinje layer, M = molecular layer.