

Product datasheet

Anti-KCHIP1 antibody ab229013

3 Images

Overview

Product name	Anti-KCHIP1 antibody
Description	Rabbit polyclonal to KCHIP1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Cow, Pig 
Immunogen	Recombinant fragment within Human KCHIP1 (internal sequence). The exact sequence is proprietary. Database link: Q9NZI2
Positive control	WB: NT2/D1 whole cell lysate; mouse brain whole cell lysate. IHC-P: SW480 xenograft.
General notes	This product was previously labelled as KCNIP1

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab229013** in the following tested applications.

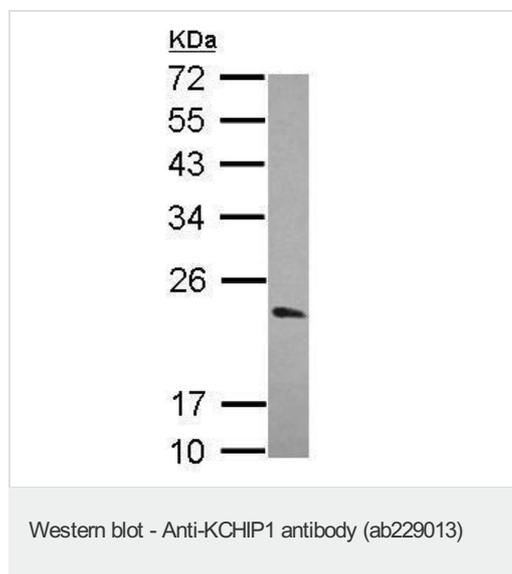
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 26 kDa.

Target

Function	Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. Regulates channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner. In vitro, modulates KCND1/Kv4.1 and KCND2/Kv4.2 currents. Increases the presence of KCND2 at the cell surface.
Tissue specificity	Isoform 1 and isoform 2 are expressed in brain and kidney. Isoform 1 is also expressed in liver, pancreas, skeletal muscle, small intestine and testis. Isoform 2 is also expressed in lung, pancreas, leukocytes, prostate and thymus.
Sequence similarities	Belongs to the recoverin family. Contains 4 EF-hand domains.
Cellular localization	Cell membrane. Cytoplasm. Cell projection, dendrite.
Form	There are 3 isoforms produced by alternative splicing.

Images

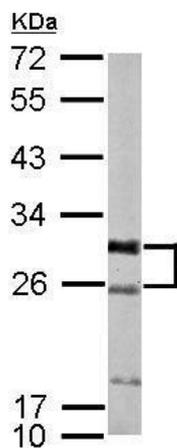


Anti-KCHIP1 antibody (ab229013) at 1/1000 dilution + NT2/D1 (human embryonal carcinoma cell line) whole cell lysate at 30 µg

Developed using the ECL technique.

Predicted band size: 26 kDa

12% SDS-PAGE



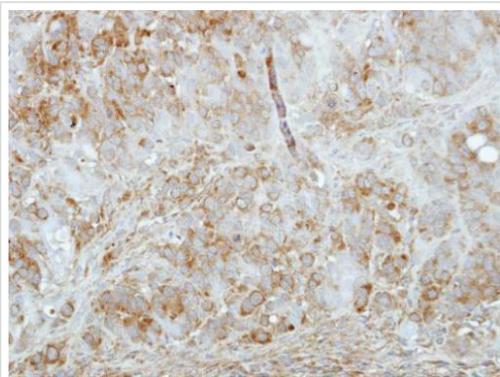
Western blot - Anti-KCHIP1 antibody (ab229013)

Anti-KCHIP1 antibody (ab229013) at 1/1000 dilution + Mouse brain whole cell lysate at 50 µg

Developed using the ECL technique.

Predicted band size: 26 kDa

12% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KCHIP1 antibody (ab229013)

Paraffin-embedded SW480 xenograft stained for KCHIP1 with ab229013 at 1/100 dilution in immunohistochemical analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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