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Datasheet for ABIN1944733

anti-CHRNA9 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	CHRNA9
Binding Specificity:	AA 8-42, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHRNA9 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This CHRNA9 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 8-42 amino acids from the N-terminal region of human CHRNA9.
Clone:	RB46802
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CHRNA9
Alternative Name:	CHRNA9 (CHRNA9 Products)
Background:	Ionotropic receptor with a probable role in the modulation of auditory stimuli. Agonist binding

Target Details

may induce an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. The channel is permeable to a range of divalent cations including calcium, the influx of which may activate a potassium current which hyperpolarizes the cell membrane. In the ear, this may lead to a reduction in basilar membrane motion, altering the activity of auditory nerve fibers and reducing the range of dynamic hearing. This may protect against acoustic trauma. May also regulate keratinocyte adhesion.

Molecular Weight: 54807

Gene ID: 55584

UniProt: [Q9UGM1](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

Application Notes: WB: 1:1000. FC: 1:25

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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: 4 °C,-20 °C

Expiry Date: 6 months

Publications

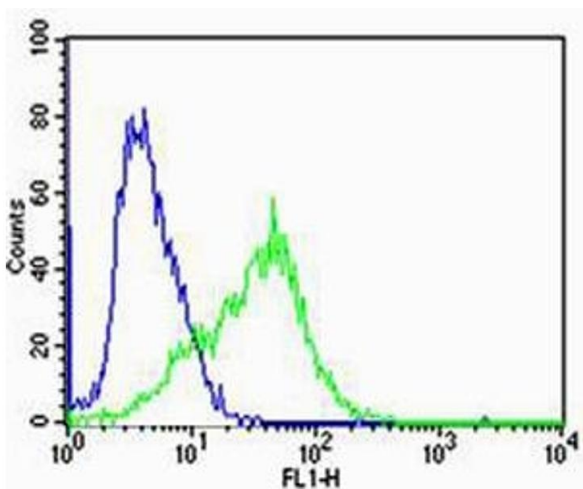
Product cited in: Huang, Wang, Xu, Lu, Xu, Li, Zhou, Sha: "Expression of a novel RAD23B mRNA splice variant in the human testis." in: **Journal of andrology**, Vol. 25, Issue 3, pp. 363-8, (2004) ([PubMed](#)).

Humphray, Oliver, Hunt, Plumb, Loveland, Howe, Andrews, Searle, Hunt, Scott, Jones, Ainscough, Almeida, Ambrose, Ashwell, Babbage, Babbage, Bagguley, Bailey, Banerjee, Barker,

Barlow, Bates, Beasley et al.: "DNA sequence and analysis of human chromosome 9. ..." in: **Nature**, Vol. 429, Issue 6990, pp. 369-74, (2004) ([PubMed](#)).

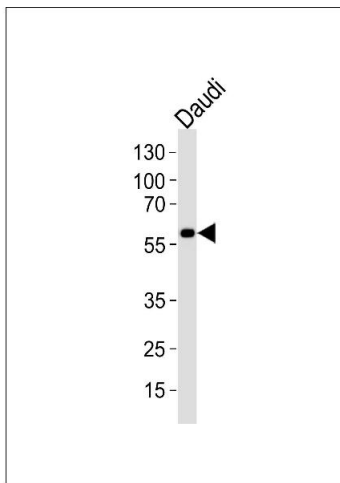
Masutani, Sugasawa, Yanagisawa, Sonoyama, Ui, Enomoto, Takio, Tanaka, van der Spek, Bootsma: "Purification and cloning of a nucleotide excision repair complex involving the xeroderma pigmentosum group C protein and a human homologue of yeast RAD23." in: **The EMBO journal**, Vol. 13, Issue 8, pp. 1831-43, (1994) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow cytometric analysis of Jurkat cells using CHRNA9 Antibody (N-term)(green, Cat(ABIN1944733 and ABIN2838559)) compared to an isotype control of rabbit IgG(blue). (ABIN1944733 and ABIN2838559) was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.



Western Blotting

Image 2. Western blot analysis of lysate from Daudi cell line, using CHRNA9 Antibody (N-term) (ABIN1944733 and ABIN2838559). (ABIN1944733 and ABIN2838559) was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.