

Product datasheet

Anti-CNGA1 antibody [S36-12] ab105878

1 References [画像数 2](#)

製品の概要

製品名	Anti-CNGA1 antibody [S36-12]
製品の詳細	Mouse monoclonal [S36-12] to CNGA1
由来種	Mouse
特異性	Recognizes both rod and cone alpha subunits.
アプリケーション	適用あり: WB, IHC-P, IHC-Fr, ICC, ICC/IF
種交差性	交差種: Mouse, Rat, Fish
免疫原	Fusion protein corresponding to the cytoplasmic C terminal amino acids 535-637 of Goldfish CNG1 (AAO16601).

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C.
バッファー	Preservative: 0.09% Sodium Azide Constituents: 50% Glycerol, PBS, pH 7.4
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	S36-12
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab105878** in the following tested applications.

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

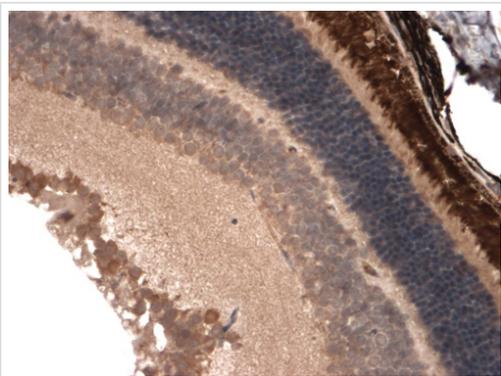
アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 80 kDa.
IHC-P		Use a concentration of 0.1 - 1 µg/ml.

アプリケーション	Abreviews	特記事項
IHC-Fr		Use a concentration of 0.1 - 1 µg/ml.
ICC		Use a concentration of 0.1 - 1 µg/ml.
ICC/IF		Use a concentration of 1 - 10 µg/ml.

ターゲット情報

機能	Visual signal transduction is mediated by a G-protein coupled cascade using cGMP as second messenger. This protein can be activated by cyclic GMP which leads to an opening of the cation channel and thereby causing a depolarization of rod photoreceptors.
組織特異性	Rod cells in the retina.
関連疾患	Defects in CNGA1 are the cause of retinitis pigmentosa type 49 (RP49) [MIM:613756]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.
配列類似性	Belongs to the cyclic nucleotide-gated cation channel (TC 1.A.1.5) family. CNGA1 subfamily. Contains 1 cyclic nucleotide-binding domain.
細胞内局在	Membrane.

画像



Immunohistochemical detection of CNG1 using ab105878 in Mouse eye retina. Staining of the nervous fibers top right. Weak staining of the second level of the retina neurons (center).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CNG1 antibody [S36-12] (ab105878)



Western blot detection of CNG1 in Human retina lysate using ab105878 at 1:1000 dilution.

Western blot - Anti-CNG1 antibody [S36-12]
(ab105878)

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