

Product datasheet

Anti-Metabotropic Glutamate Receptor 6 antibody ab116555

1 Image

Overview

Product name	Anti-Metabotropic Glutamate Receptor 6 antibody
Description	Rabbit polyclonal to Metabotropic Glutamate Receptor 6
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide conjugated to KLH, corresponding to a region within internal sequence amino acids 368-398 of Human Metabotropic Glutamate Receptor 6 (NP_000834.2)
Positive control	MDA-MB-435 cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Purification notes	ab116555 was purified through a protein A column, followed by peptide affinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab116555** 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		1/100 - 1/500. Predicted molecular weight: 95 kDa.

Target

Function	Receptor for glutamate. The activity of this receptor is mediated by a G-protein that inhibits adenylate cyclase activity.
Involvement in disease	Defects in GRM6 are the cause of congenital stationary night blindness type 1B (CSNB1B) [MIM:257270]. This disorder consists of a previously unrecognized, autosomal recessive form of congenital night blindness associated with a negative electroretinogram waveform. Patients are night blind from an early age, and when maximally dark-adapted, they could perceive lights only with an intensity equal to or slightly dimmer than that normally detected by the cone system. ERGs in response to single brief flashes of light have clearly detectable a-waves, which are derived from photoreceptors, and greatly reduced b-waves, which are derived from the second-order inner retinal neurons. ERGs in response to sawtooth flickering light indicate a markedly reduced ON response and a nearly normal OFF response. There is no subjective delay in the perception of suddenly appearing white vs black objects on a gray background.
Sequence similarities	Belongs to the G-protein coupled receptor 3 family.
Cellular localization	Cell membrane.

Images



Anti-Metabotropic Glutamate Receptor 6 antibody (ab116555) at 1/100 dilution + MDA-MB-435 cell lysate at 35 µg

Predicted band size: 95 kDa

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