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Datasheet for ABIN1699498

anti-GNGT1 antibody (AA 21-70) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	GNGT1
Binding Specificity:	AA 21-70
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNGT1 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GNGT1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GNGT1
Alternative Name:	GNGT1 (GNGT1 Products)
Background:	Synonyms: G gamma 1, GNG1, GNGT1, Guanine nucleotide binding protein G, Transducin

Target Details

gamma chain, GBG1_HUMAN.

Background: Heterotrimeric guanine nucleotide-binding proteins (G proteins) transduce extracellular signals received by transmembrane receptors to effector proteins. Transducin is a guanine nucleotide-binding protein found specifically in rod outer segments, where it mediates activation by rhodopsin of a cyclic GTP-specific (guanosine monophosphate) phosphodiesterase. Transducin is also referred to as GMPase. GNGT1 encodes the gamma subunit of transducin (Hurley et al., 1984 [PubMed 6438626], Scherer et al., 1996 [PubMed 8661128]).[supplied by OMIM, Mar 2008].

Gene ID: 2792

Pathways: [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Phototransduction](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months