Datasheet for ABIN7599757

anti-GNAL antibody (AA 114-349)

Go to Product page

Overview

Quantity:	100 µg
Target:	GNAL
Binding Specificity:	AA 114-349
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-GNAL Antibody Picoband®
Immunogen:	E.coli-derived human GNAL recombinant protein (Position: R114-H349).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-GNAL Antibody Picoband® (ABIN7599757). Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	GNAL
Alternative Name:	GNAL (GNAL Products)
Background:	Synonyms: B-cell differentiation antigen CD72, Lyb-2, CD72, CD72 Tissue Specificity: Pre-B-cells and B-cells but not terminally differentiated plasma cells. Background: Guanine nucleotide-binding protein G(olf) subunit alpha is a protein that in humans is encoded by the GNAL gene. This gene encodes a stimulatory G protein alpha subunit which mediates odorant signaling in the olfactory epithelium. This protein couples dopamine type 1 receptors and adenosine A2A receptors and is widely expressed in the central nervous system. Mutations in this gene have been associated with dystonia 25 and this gene is located in a susceptibility region for bipolar disorder and schizophrenia. Alternative splicing results in multiple transcript variants.
Molecular Weight:	44 kDa
Gene ID:	2774
UniProt:	P38405

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Belluscio, L., Gold, G. H., Nemes, A., Axel, R. Mice deficient in G(olf) are anosmic. Neuron 20: 69-81, 1998. 2. Bressman, S. B., Heiman, G. A., Nygaard, T. G., Ozelius, L. J., Hunt, A. L., Brin, M. F., Gordon, M. F., Moskowitz, C. B., de Leon, D., Burke, R. E., Fahn, S., Risch, N. J., Beakefield, X. O., Kramer, P. L. A study of idiopathic torsion dystonia in a non-Jewish family: evidence for genetic heterogeneity. Neurology 44: 283-287, 1994. 3. Buck, L. B. Information coding in the mammalian olfactory system. Cold Spring Harbor Symp. Quant. Biol. 61: 147-155, 1996.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.