

Datasheet for ABIN462341
anti-GNAO1 antibody (Subunit alpha)

3 Images

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Overview

Quantity:	250 µL
Target:	GNAO1
Binding Specificity:	AA 345-354, Subunit alpha
Reactivity:	Mouse, Drosophila melanogaster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAO1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide from mouse GNAO1 / GNAO. Type of Immunogen: Synthetic peptide
Isotype:	IgG
Specificity:	Recognizes the alpha subunit of murine Guanine nucleotide-binding protein G(o). Guanine nucleotide-binding protein G(o) is a 354 amino acid membrane associated protein of ~40kD forming a heterotrimeric protein complex with beta and gamma subunits. Two isoforms of the alpha subunit are generated by alternative splicing with a single amino acid substitution in the immunogen sequence (a lysine for an asparagine at position 346), it is not known whether this

Product Details

substitution affects the binding to isoform 2. Has been used successfully for the detection of G(o) in Drosophila by western blotting.

Purification: Ammonium sulfate precipitation

Target Details

Target: GNAO1

Alternative Name: GNAO1 ([GNAO1 Products](#))

Background: Name/Gene ID: GNAO1

Synonyms: GNAO1, GNAO, G-ALPHA-o, G0 Protein Alpha

Gene ID: 2775

UniProt: [P09471](#)

Pathways: [G-protein mediated Events](#)

Application Details

Application Notes: Approved: ELISA (1:500 - 1:1000), IHC, IHC-P (10 µg/mL), WB

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of formalin-fixed, paraffin-embedded (FFPE) mouse tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 10 µg/mL. Western Blot: This antibody detects band at 39 kD when used under reducing conditions against rat brain.

Comment: Target Species of Antibody: Mouse

Restrictions: For Research Use only

Handling

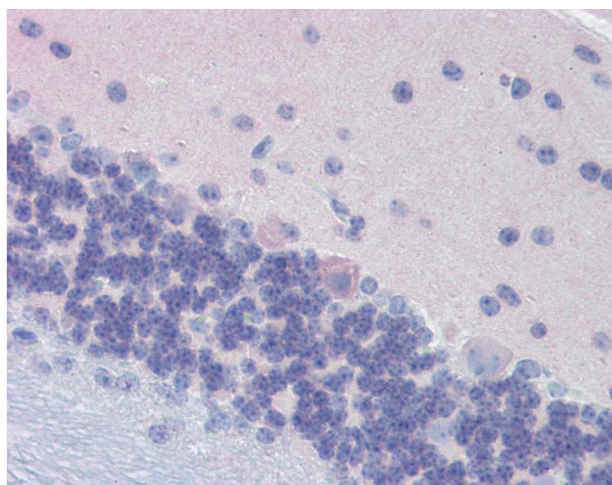
Format: Liquid

Concentration: Lot specific

Handling

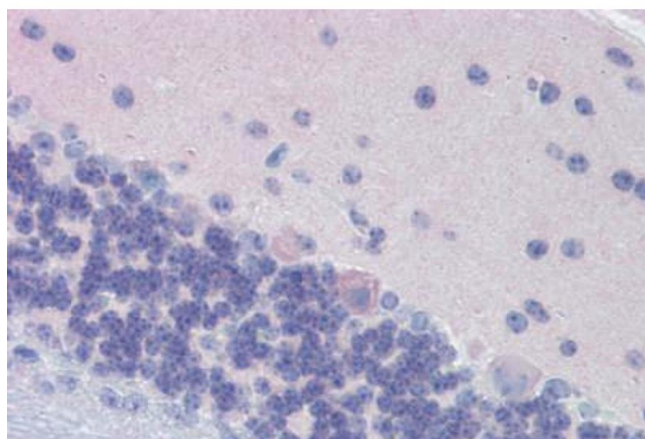
Buffer:	PBS, 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C, -20 °C
Storage Comment:	4°C or -20°C, Avoid freeze-thaw cycles.

Images



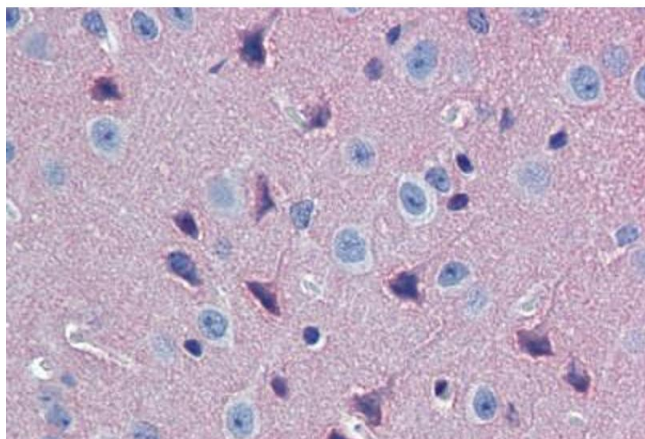
Immunohistochemistry

Image 1. Anti-GNAO1 antibody IHC of mouse brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Mouse Brain, Cerebellum (formalin-fixed, paraffin-embedded) stained with GNAO1 antibody ABIN462341 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Mouse Brain, Cortex (formalin-fixed, paraffin-embedded) stained with GNAO1 antibody ABIN462341 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.