

Datasheet for ABIN655029
anti-GNAT2 antibody (AA 140-169)

3 Images

1 Publication

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Overview

| | |
|----------------------|------------------------------------------------------------------------------------|
| Quantity: | 400 µL |
| Target: | GNAT2 |
| Binding Specificity: | AA 140-169 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GNAT2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | This GNAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-169 amino acids from the Central region of human GNAT2. |
| Clone: | RB30047 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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| Target: | GNAT2 |
| Alternative Name: | GNAT2 (GNAT2 Products) |
| Background: | Transducin is a 3-subunit guanine nucleotide-binding protein (G protein) which stimulates the |

Target Details

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | coupling of rhodopsin and cGMP-phosphodiesterase during visual impulses. The transducin alpha subunits in rods and cones are encoded by separate genes. This gene encodes the alpha subunit in cones. |
| Molecular Weight: | 40176 |
| Gene ID: | 2780 |
| NCBI Accession: | NP_005263 |
| UniProt: | P19087 |
| Pathways: | G-protein mediated Events , Phototransduction |

Application Details

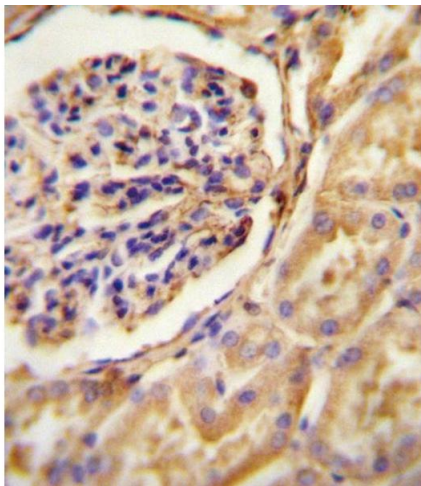
| | |
|--------------------|----------------------------------------|
| Application Notes: | WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |

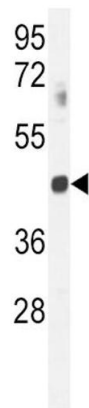
Publications

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product cited in: | Liszt, Ley, Lieder, Behrens, Stöger, Reiner, Hochkogler, Köck, Marchiori, Hans, Widder, Krammer, Sanger, Somoza, Meyerhof, Somoza: "Caffeine induces gastric acid secretion via bitter taste signaling in gastric parietal cells." in: Proceedings of the National Academy of Sciences of the United States of America , Vol. 114, Issue 30, pp. E6260-E6269, (2018) (PubMed). |
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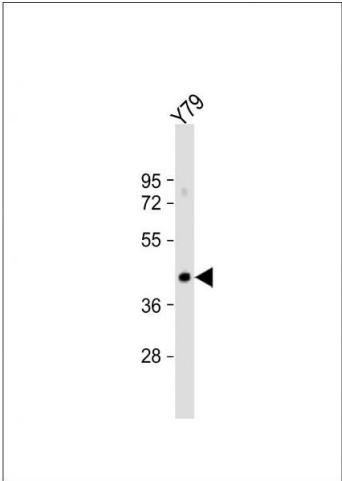
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. GNAT2 antibody (Center) (ABIN655029 and ABIN2844660) immunohistochemistry analysis in formalin fixed and paraffin embedded human Kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GNAT2 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. GNAT2 Antibody (Center) (ABIN655029 and ABIN2844660) western blot analysis in mouse spleen tissue lysates (35 µg/lane). This demonstrates the GNAT2 antibody detected the GNAT2 protein (arrow).



Western Blotting

Image 3. Anti-GNAT2 Antibody (Center) at 1:1000 dilution + Y79 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.