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anti-GABRA3 antibody (N-Term)

2 Images



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Overview

| Quantity: | 50 μg |
|----------------------|-----------------------------------------------------------------------------------------|
| Target: | GABRA3 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Rat, Mouse, Dog, Cow, Rabbit, Horse, Monkey, Bat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GABRA3 antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| Brand: | IHC-plus™ |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| lmmunogen: | Synthetic 15 amino acid peptide from N-Terminus of human GABRA3. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Dog, Bat, Bovine, Horse, Rabbit (100%), Opossum, Platypus (87%). |
| | Type of Immunogen: Synthetic peptide |
| Specificity: | Human GABRA3. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| Predicted Reactivity: | Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Dog, Bat, Bovine, Horse, Rabbit (100%) Opossum, Platypus (87%). |

Product Details Purification: Immunoaffinity purified Target Details Target: **GABRA3** Alternative Name GABRA3 (GABRA3 Products) Background: Name/Gene ID: GABRA3 Subfamily: GABA A receptor Family: Ion Channel Synonyms: GABRA3, GABA(A) receptor, alpha 3, GABA A receptor alpha 3 Gene ID: 2556 **Application Details** Approved: IHC, IHC-P (5 µg/mL) Application Notes: Comment: Target Species of Antibody: Human Assay Procedure: The IHC-pro Immunohistochemistry Protocol **Tissue Preparation** Formalin fixation and embedding in paraffin wax **Tissue Sectioning** Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization Wash slides in 3 changes of xylene - 5 minutes each at room temperature.

Rehydration

Wash slides in 3 changes of 100% alcohol - 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol - 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block - 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:

For Research Use only

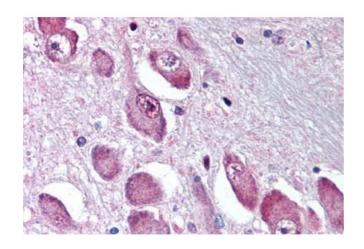
Handling

| Format: | Liquid |
|--------------------|-------------------------------------------------------------------------------|
| Concentration: | Lot specific |
| Buffer: | PBS, less than 0.1 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |

Handling

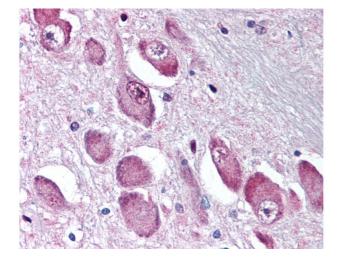
| | should be handled by trained staff only. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months |

Images



Immunohistochemistry

Image 1. Anti-GABRA3 antibody ABIN1048639 IHC staining of human brain, basal nucleus of Meynert. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-GABRA3 antibody IHC of human brain, basal nucleus of Meynert. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.