

Datasheet for ABIN1048802

**anti-GPR34 antibody**[Go to Product page](#)**2** Images

## Overview

Quantity:	50 µg
Target:	GPR34
Reactivity:	Human, Horse, Cow
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Bovine, Horse (100%) Marmoset, Mouse, Rat, Elephant, Guinea pig (94%) Panda (88%) Bat, Opossum (82%).
Purification:	Immunoaffinity purified

## Target Details

Target:	GPR34
Alternative Name:	GPR34 ( <a href="#">GPR34 Products</a> )
Background:	Name/Gene ID: GPR34 Subfamily: Orphan-A Family: GPCR

## Target Details

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Synonyms: GPR34, G protein-coupled receptor 34

Gene ID: 2857

UniProt: [Q9UPC5](#)

## Application Details

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Application Notes: Approved: IHC, IHC-P (2.5 - 5 µg/mL)

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.

Application Details

- 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.

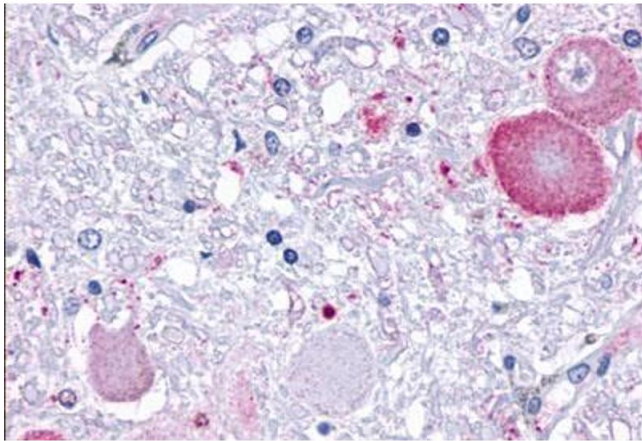
Dehydrate

- 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

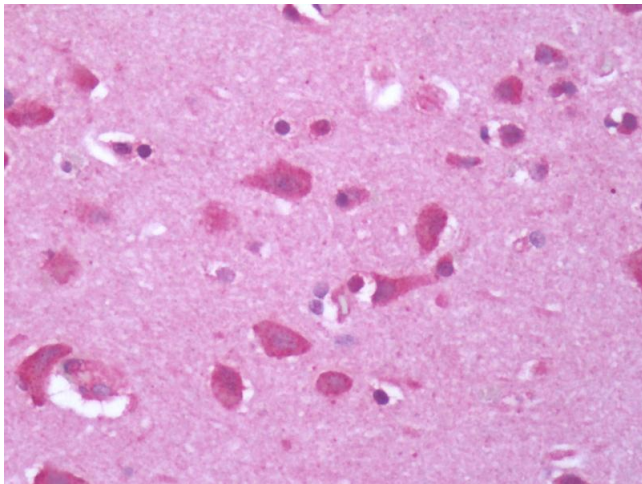
Handling

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 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



#### Immunohistochemistry

**Image 1.** Anti-GPR34 antibody ABIN1048802 IHC staining of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



#### Immunohistochemistry

**Image 2.** Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)