

Datasheet for ABIN1048994
anti-KISS1R antibody (Extracellular Domain)[Go to Product page](#)

4 Images

Overview

| | |
|----------------------|---|
| Quantity: | 50 µg |
| Target: | KISS1R |
| Binding Specificity: | Extracellular Domain |
| Reactivity: | Human, Mouse, Rat, Cow, Pig, Bat, Dog, Hamster, Monkey |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KISS1R antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|-----------------------|--|
| Immunogen: | Synthetic 17 amino acid peptide from 2nd extracellular domain of human KISS1R / GPR54. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Mouse, Rat, Bovine, Dog, Bat, Hamster, Pig (100%), Goat, Elephant, Panda (94%). Type of Immunogen: Synthetic peptide |
| Specificity: | Human KISS1R / GPR54. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| Cross-Reactivity: | Bat, Cow (Bovine), Dog (Canine), Hamster, Monkey, Mouse (Murine), Pig (Porcine), Rat (Rattus) |
| Predicted Reactivity: | Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Mouse, Rat, Bovine, Dog, Bat, Hamster, Pig (100%) Goat, Elephant, Panda (94%). |
| Purification: | Immunoaffinity purified |

Target Details

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|-------------------|---|
| Target: | KISS1R |
| Alternative Name: | KISS1R / GPR54 (KISS1R Products) |
| Background: | <p>Name/Gene ID: KISS1R</p> <p>Subfamily: Metastin</p> <p>Family: GPCR</p> <p>Synonyms: KISS1R, AXOR12, GPR54, HOT7T175, KISS-1R, KISS1 receptor, G protein-coupled receptor 54, Metastin receptor, Rot7t175, G-protein coupled receptor 54, HH8, Hypogonadotropin-1, KiSS-1 receptor, Kisspeptins receptor</p> |
| Gene ID: | 84634 |

Application Details

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|--------------------|--|
| Application Notes: | Approved: IHC, IHC-P (10 - 20 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.

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

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|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

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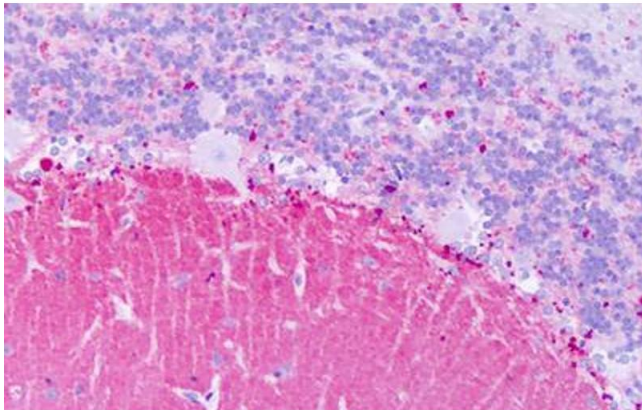
| | |
|---------------|--------------|
| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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Handling

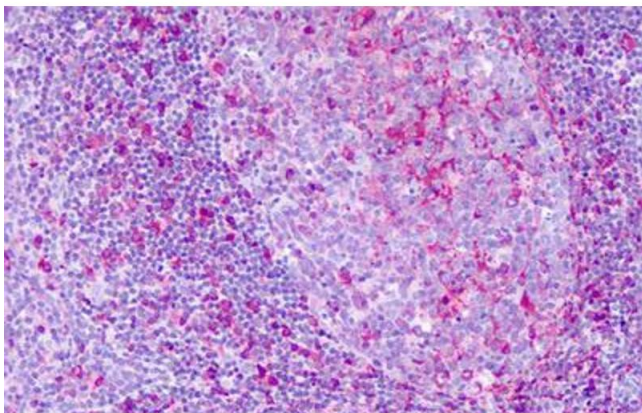
| | |
|------------------|---|
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months |

Images



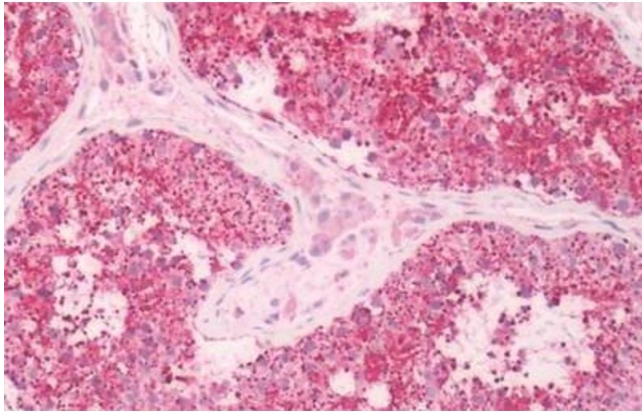
Immunohistochemistry

Image 1. Anti-KISS1R / GPR54 antibody IHC staining of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1048994 concentration 41310 ug/ml.



Immunohistochemistry

Image 2. Anti-KISS1R / GPR54 antibody IHC staining of human tonsil, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1048994 concentration 41310 ug/ml.



Immunohistochemistry

Image 3. Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN1048994.