

# Product Datasheet

## Calcium-sensing R/CaSR Antibody - BSA Free NBP2-38622

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

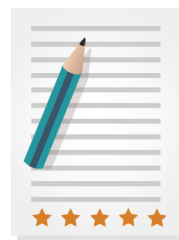
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**NBP2-38622**

Calcium-sensing R/CaSR Antibody - BSA Free

**Product Information**

|                      |                                                                                                                  |
|----------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 ml                                                                                                           |
| <b>Concentration</b> | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.                           |
| <b>Clonality</b>     | Polyclonal                                                                                                       |
| <b>Preservative</b>  | 0.02% Sodium Azide                                                                                               |
| <b>Isotype</b>       | IgG                                                                                                              |
| <b>Purity</b>        | Immunogen affinity purified                                                                                      |
| <b>Buffer</b>        | PBS (pH 7.2) and 40% Glycerol                                                                                    |

**Product Description**

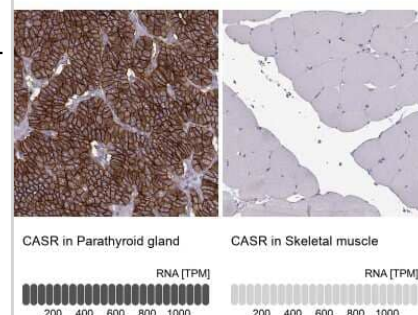
|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Rabbit Calcium-sensing R/CaSR Antibody - BSA Free (NBP2-38622) is a polyclonal antibody validated for use in IHC and WB. Anti-Calcium-sensing R/CaSR Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Rabbit                                                                                                                                                                                                                                                                       |
| <b>Gene ID</b>          | 846                                                                                                                                                                                                                                                                          |
| <b>Gene Symbol</b>      | CASR                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human, Mouse                                                                                                                                                                                                                                                                 |
| <b>Reactivity Notes</b> | Use in Mouse reported in scientific literature (PMID:32824949).                                                                                                                                                                                                              |
| <b>Immunogen</b>        | This antibody was developed against a recombinant protein corresponding to amino acids:<br>ADDDYGRPGIEKFREEAEERDIDCFSELISQYSDEEEIQHVVEVIQNSTAKVIVV<br>FSSGPDLEPLIKEIVRRNITGKIWLASEAWASSLI                                                                                    |

**Product Application Details**

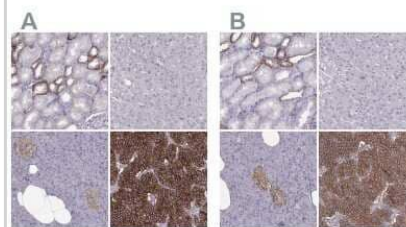
|                              |                                                                                                                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen                                                                                              |
| <b>Recommended Dilutions</b> | Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500, Immunohistochemistry-Frozen Reported in scientific literature (PMID:32824949) |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended.                                                                                                                                       |

**Images**

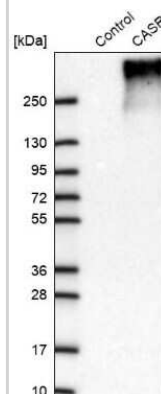
Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Analysis in human parathyroid gland and skeletal muscle tissues using NBP2-38622 antibody. Corresponding CASR RNA-seq data are presented for the same tissues.



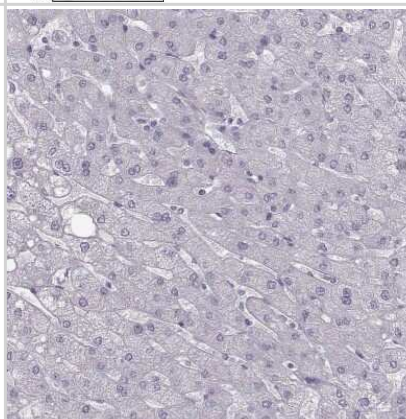
**Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622]** - Staining of human kidney, liver, pancreas and parathyroid gland using Anti-CASR antibody NBP2-38622 (A) shows similar protein distribution across tissues to independent antibody NBP1-84687 (B).



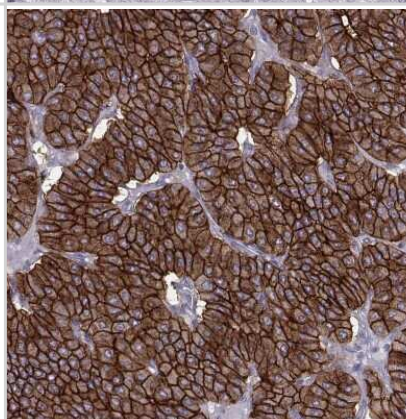
**Western Blot: Calcium-sensing R/CaSR Antibody [NBP2-38622]** - Analysis in control (vector only transfected HEK293T lysate) and CASR over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



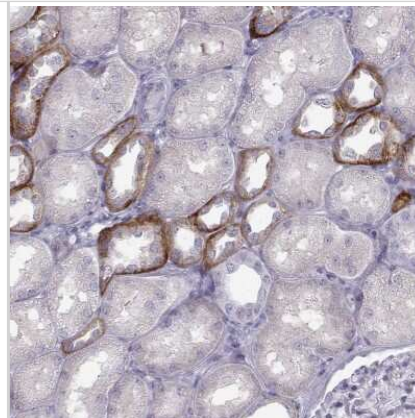
**Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622]** - Staining of human liver shows no positivity in hepatocytes as expected.



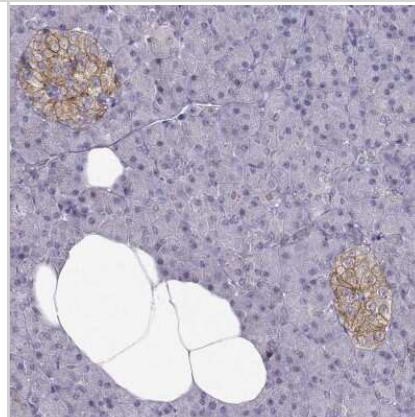
**Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622]** - Staining of human parathyroid gland shows strong membranous positivity in glandular cells.



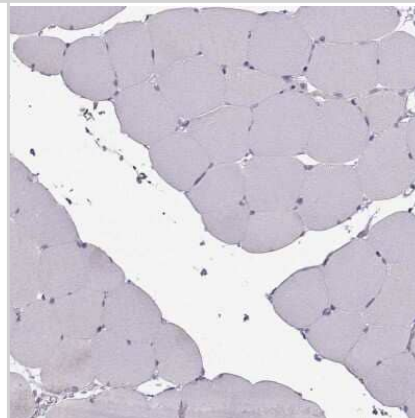
Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Staining of human kidney shows moderate membranous positivity in cells in distal tubules.



Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Staining of human pancreas shows weak to moderate membranous positivity in islets of Langerhans.



Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



## Publications

Nunez-Salces M, Li H, Christie S, Page AJ The Effect of High-Fat Diet-Induced Obesity on the Expression of Nutrient Chemosensors in the Mouse Stomach and the Gastric Ghrelin Cell Nutrients 2020-08-19 [PMID: 32824949] (IHC-Fr, Mouse)

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**Products Related to NBP2-38622**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP2-38622PEP | Calcium-sensing R/CaSR Recombinant Protein Antigen  |
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |

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**Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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