

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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NBP2-38622

Calcium-sensing R/CaSR Antibody - BSA Free

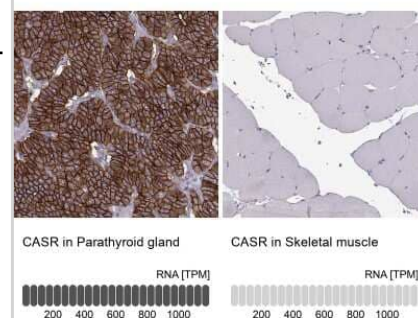
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	846
Gene Symbol	CASR
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:32824949).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: ADDDYGRPGIEKFREEAEERDIDCFSELISQYSDEEEIQHVVEVIQNSTAKVIVV FSSGPDLEPLIKEIVRRNITGKIWLASEAWASSSLI

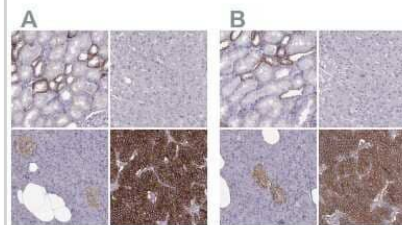
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500, Immunohistochemistry-Frozen Reported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

Images

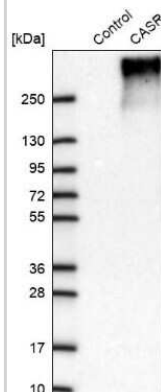
Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Analysis in human parathyroid gland and skeletal muscle tissues using NBP2-38622 antibody. Corresponding CASR RNA-seq data are presented for the same tissues.



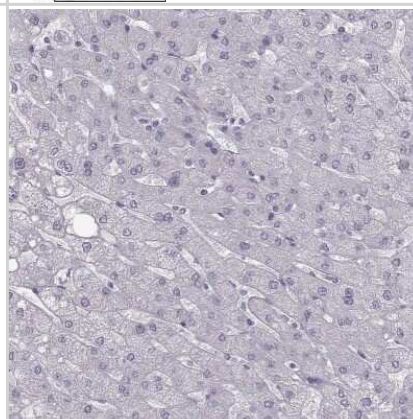
Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Staining of human kidney, liver, pancreas and parathyroid gland using Anti-CASR antibody NBP2-38622 (A) shows similar protein distribution across tissues to independent antibody NBP1-84687 (B).



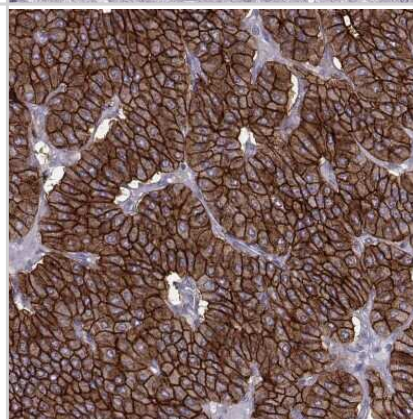
Western Blot: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Analysis in control (vector only transfected HEK293T lysate) and CASR over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



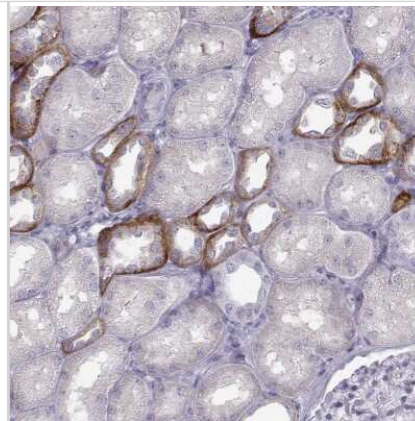
Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Staining of human liver shows no positivity in hepatocytes as expected.



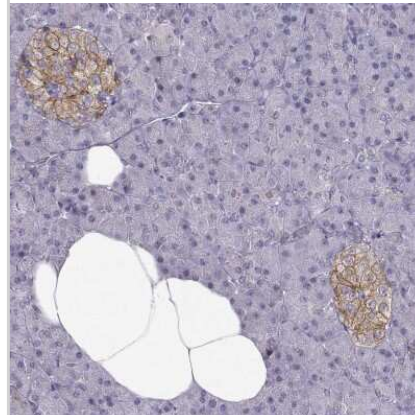
Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Staining of human parathyroid gland shows strong membranous positivity in glandular cells.



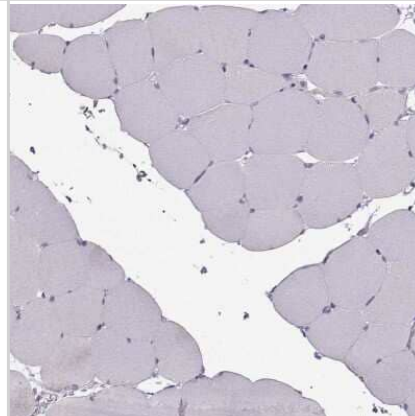
Immunohistochemistry-Paraffin: Calcium-sensing R/CaSR Antibody [NBP2-38622] - Staining of human kidney shows moderate membranous positivity in cells in distal tubules.



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

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

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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