CASR Rabbit pAb

Catalog NO.: A1426SP 3 Publications

Basic Information

Observed MW
120-260 kDa

Calculated MW
121 kDa

Category
Polyclonal Antibodies

Applications
WB, IF-P, IHC-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Background

The protein encoded by this gene is a plasma membrane G protein-coupled receptor that senses small changes in circulating calcium concentration. The encoded protein couples this information to intracellular signaling pathways that modify parathyroid hormone secretion or renal cation handling, and thus this protein plays an essential role in maintaining mineral ion homeostasis. Mutations in this gene are a cause of familial hypocalciuric hypercalcemia, neonatal severe hyperparathyroidism, and autosomal dominant hypocalcemia.

Recommended Dilutions

WB	1:1000 - 1:5000
IF-P	1:100 - 1:400
IHC-P	1:2000 - 1:8000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (⩾1:10000)

Immunogen Information

Gene ID
846

Swiss Prot
P41180

Immunogen
This information is considered to be commercially sensitive.

Synonyms
CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; hCasR; GPRC2A; HYPOC1

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

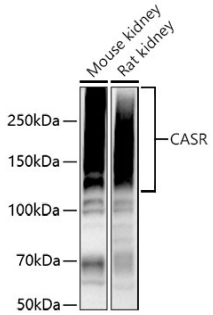
Source
Rabbit

Isotype
IgG

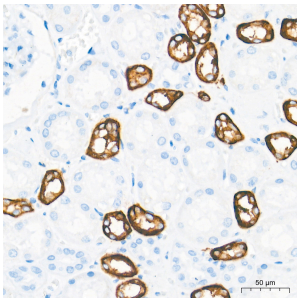
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

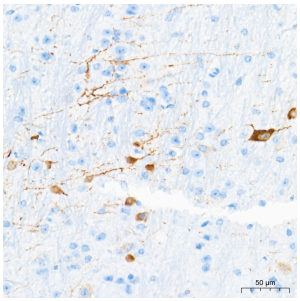
Validation Data



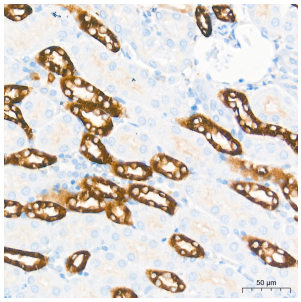
Western blot analysis of various lysates using CASR Rabbit pAb (A1426SP) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



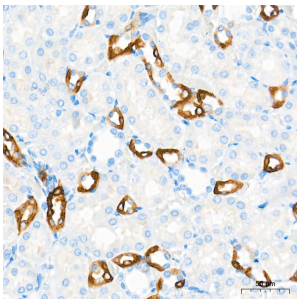
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using CASR Rabbit pAb (A1426SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

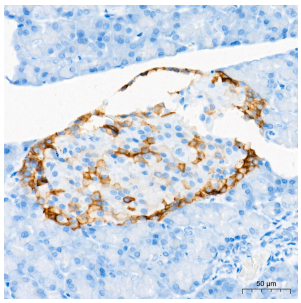


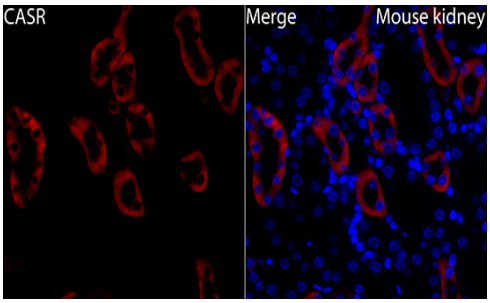
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using CASR Rabbit pAb (A1426SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using CASR Rabbit pAb (A1426SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.





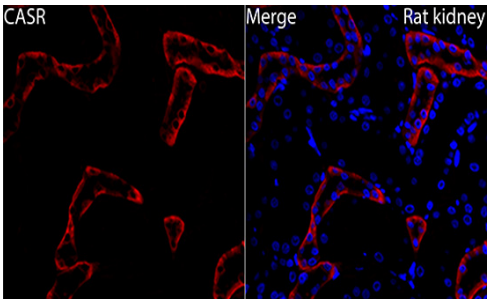


Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using CASR Rabbit pAb (A1426SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat pancreas tissue using CASR Rabbit pAb (A1426SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunofluorescence analysis of paraffin-embedded Mouse kidney tissue using CASR Rabbit pAb (A1426SP) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.

Validation Data



Immunofluorescence analysis of paraffin-embedded Rat kidney tissue using CASR Rabbit pAb (A1426SP) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.

For research use only. Not for therapeutic or diagnostic purposes.

Please visit **https://abclonal.com** for a complete list of recommended products.