Product Datasheet

FAM3C Antibody
NBP2-24464

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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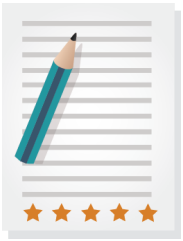
Updated 4/15/2024 v.20.1



NBP2-24464

FAM3C Antibody

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description

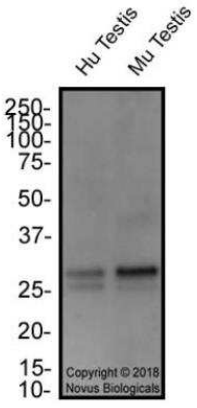
Host	Rabbit
Gene Symbol	FAM3C
Species	Human, Mouse, Rat
Reactivity Notes	Pufferfish (88%).
Immunogen	A portion of amino acids 40-80 of human FAM3C was used as the immunogen for this antibody.

Product Application Details

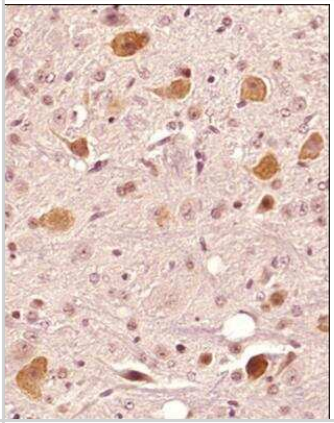
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5-3 ug/ml, Simple Western 1:20, Immunohistochemistry 1:200, Immunohistochemistry-Paraffin 1:200
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size.

Images

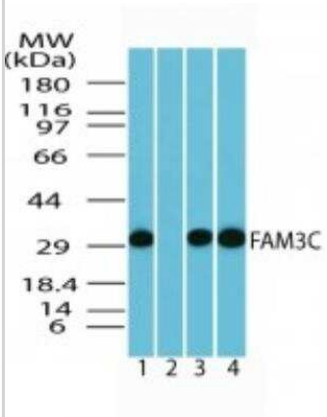
Western Blot: FAM3C Antibody [NBP2-24464] - Total protein from human testis tissue and mouse testis tissue was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-FAM3C in 5% block buffer and detected with an anti-rabbit HRP secondary antibody using chemiluminescence.



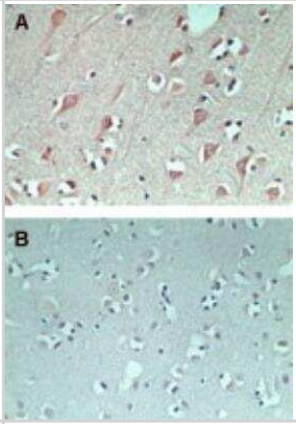
Immunohistochemistry-Paraffin: FAM3C Antibody [NBP2-24464] - Analysis of tissue section of mouse brain using FAM3C antibody at 1:1300 dilution. The primary antibody bound to FAM3C protein in the tissue section was detected using a HRP labeled secondary antibody and DAB reagent. Nuclei of the cells were counterstained with hematoxylin. This FAM3C antibody generated a diffused cytoplasmic staining in the glial cells as well as in the neuronal cells. The signal was more intense in neurons with some level of puncta formation which signifies the presence of FAM3C in the cytoplasmic vesicles.



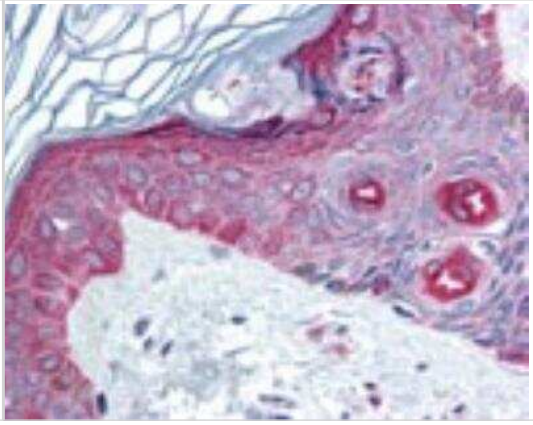
Western Blot: FAM3C Antibody [NBP2-24464] - Analysis of FAM3C in human brain lysate (0.5 ug/ml) 1) absence, 2) presence of immunizing peptide, 3) mouse brain lysate (0.5 ug/ml), and 4) in rat brain lysate (0.5 ug/ml) using FAM3C antibody.

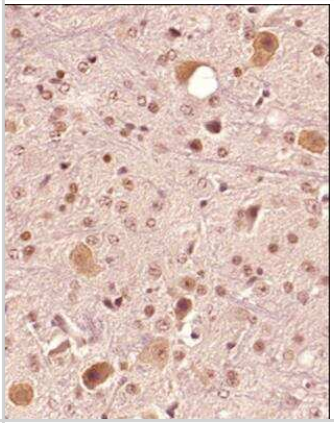
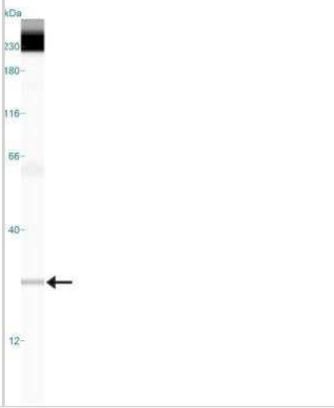


Immunohistochemistry-Paraffin: FAM3C Antibody [NBP2-24464] - Staining of FAM3C using FAM3C antibody in normal human brain at 5 ug/ml (using control rabbit Ig for figure B).



Immunohistochemistry-Paraffin: FAM3C Antibody [NBP2-24464] - Analysis of FAM3C in human skin using FAM3C antibody at 10 ug/ml.



Immunohistochemistry-Paraffin: FAM3C Antibody [NBP2-24464] - Analysis tissue section of mouse brain using FAM3C antibody Lot A1 at 1:1300 dilution. The primary antibody bound to FAM3C protein in the tissue section was detected using a HRP labeled secondary antibody and DAB reagent. Nuclei of the cells were counterstained with hematoxylin. This FAM3C antibody generated a diffused cytoplasmic staining in the glial cells as well as in the neuronal cells. The signal was more intense in neurons with some level of puncta formation which signifies the presence of FAM3C in the cytoplasmic vesicles.	
Simple Western: FAM3C Antibody [NBP2-24464] - Simple Western lane view shows a specific band for FAM3C in 0.5 mg/ml of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.	

Procedures

Western Blot Protocol for FAM3C Antibody (NBP2-24464)
Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 10-25 ug of total protein per lane.
2. Transfer proteins to PVDF membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain the membrane with Ponceau S (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot TBS -0.05% Tween 20 (TBST).
5. Block the membrane in 5% Non-fat milk in TBST (blocking buffer) for at least 1 hour.
6. Wash the membrane in TBST three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate overnight at 4C with gentle rocking.
8. Wash the membrane in TBST three times for 10 minutes each.
9. Incubate the membrane in diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) for 1 hour at room temperature.
10. Wash the blot in TBST three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturer's instructions.

Immunohistochemistry-Paraffin Protocol for FAM3C Antibody (NBP2-24464)
Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:
Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes (keep slides in the sodium citrate buffer at all times).

Staining:
1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in PBS for 5 minutes.
3. Block each section with 100-400 ul blocking solution (1% BSA in PBS) for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul HRP polymer conjugated secondary antibody. Incubate 30 minutes at room temperature.
7. Wash sections three times in wash buffer for 5 minutes each.
8. Add 100-400 ul DAB substrate to each section and monitor staining closely.
9. As soon as the sections develop, immerse slides in deionized water.
10. Counterstain sections in hematoxylin.
11. Wash sections in deionized water two times for 5 minutes each.
12. Dehydrate sections.
13. Mount coverslips.

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Products Related to NBP2-24464

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-72492-50ug	Recombinant Human FAM3C His Protein

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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