

Code No. 011-29451 (50 μ L)

Anti Sbp2l, Rabbit 抗 Sbp2l, ウサギ

【Background】

Sbp2l is known as an RNA-binding protein and contributes to the regulation of hormone metabolism and other processes by promoting the synthesis of selenoproteins. Sbp2l is specifically expressed in oligodendrocytes in the central nervous system and has been reported to be a marker of oligodendrocyte maturation.

Anti Sbp2l, Rabbit is a rabbit polyclonal antibody that reacts with Sbp2l¹.

This product is for research use only. Not for use in diagnostic procedures or therapeutic use.

【Description】

[Reactivity]	Reacts with Sbp2l
[Immunogen]	Synthetic peptide corresponding to the C-terminus of mouse Sbp2l (1021-1089a.a.)
[Species cross reactivity]	Mouse (Other species have not been tested)
[Host]	Rabbit
[Isotype]	— (Polyclonal)
[Purity]	Antigen affinity chromatography
[Form]	Liquid
[Buffer]	D-PBS (-)

【Application】

Immunohistochemistry (frozen section) 1 : 500

Western blot 1 : 1,000

The optimal dilutions/concentrations should be determined by each laboratory.

【Storage】

Store at -20°C.

Avoid repeated freeze and thaw.

【Protocol examples (Immunohistochemistry, frozen brain section)】

1. Perfusion fixation
Perfuse with PBS to remove blood, followed by perfusion with 4% PFA.
2. Post-fixation
4% PFA (~ 24 hours)
3. Immersion in sucrose
Place tissue into 30% Sucrose in PBS until the tissue has sunk to the bottom of the vial.
(4°C, overnight ~ approximately 2 days)

4. Preparation of frozen sections

After removing sucrose, prepare frozen blocks and cut 40- μ m thick sections using a cryostat.

5. Antigen retrieval

Boiled in 10 mM citric acid buffer (pH 6.0) (5 min)

6. Blocking

5% normal goat serum in 0.3% Triton X-100/PBS (4°C, 24 ~ 72 hours)

* Please use serum from the same species as the secondary antibody.

7. Primary antibody reaction

Anti Sbp2l, Rabbit (1 : 500), 1% normal goat serum in 0.3% Triton X-100/PBS (4°C, 1 ~ 2 days).

8. Washing

0.3% Triton X-100/PBS (5 minutes $\times$ 3)

9. Secondary antibody reaction

Alexa Fluor® 488 AffiniPure Goat Anti-Rabbit IgG (H+L) (1 : 500), 1% normal goat serum in 0.3% Triton X-100/PBS (RT, 2 hours)

10. Washing

0.3% Triton X-100/PBS (5 minutes $\times$ 3)

11. Mounting

The sample is sealed in mounting medium and stored at 4°C in a dark place.

【References】

- 1) Yugami, M. Hayakawa-Yano, Y. Ogasawara, T. Yokoyama, K. Furukawa, T. Hara, H. Hashikami, K. Tsuji, I. Takebayashi, H. Araki, S. Okano, H. Yano, M. *iScience*, 26, 108451 (2023).
Sbp2l contributes to oligodendrocyte maturation through translational control in Tcf7l2 signaling.

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