

# Product Datasheet

## Occludin Antibody (5A7) - Azide and BSA Free H00004950-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00004950-M02**

Occludin Antibody (5A7) - Azide and BSA Free

| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 mg   |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| Clonality           | Monoclonal   |
| Clone               | 5A7  |
| Preservative        | No Preservative  |
| Isotype             | IgG1 Kappa   |
| Purity              | IgG purified   |
| Buffer              | In 1x PBS, pH 7.4  |

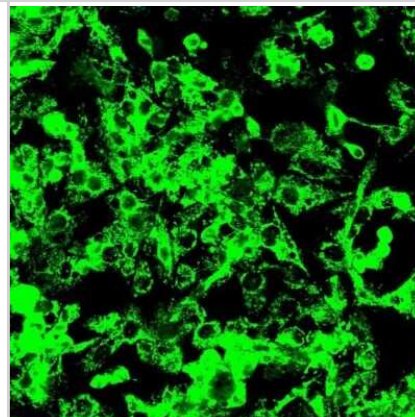
| Product Description     |  |
|-------------------------|--|
| Description             | Quality control test: Antibody Reactive Against Recombinant Protein.   |
| Host                    | Mouse  |
| Gene ID                 | 100506658  |
| Gene Symbol             | OCLN   |
| Species                 | Human, Rat, Porcine  |
| Reactivity Notes        | Use in Rat reported in scientific literature (PMID:33460804)   |
| Marker                  | Tight Junctions Marker   |
| Specificity/Sensitivity | This product is specific for Human OCLN monoclonal antibody (M02), clone 5A7 [Gene ID: 4950].  |
| Immunogen               | OCLN (NP_002529, 423 a.a. ~ 522 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>ITSDQQRQLYKRNFD TGLQEYKSLQSELDEINKELSRDKELDDYREESEEYMA<br>AADEYNRLKQVKGSADYKSKKNHCKQLKSKLSHIKKMVG DYDRQKT |
| Notes                   | This product is produced by and distributed for Abnova, a company based in Taiwan.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence |
| Recommended Dilutions       | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence |

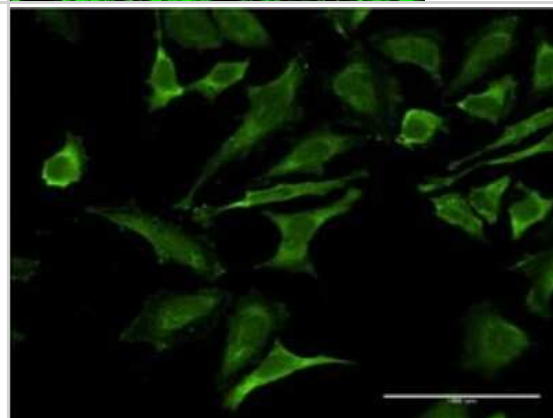


## Images

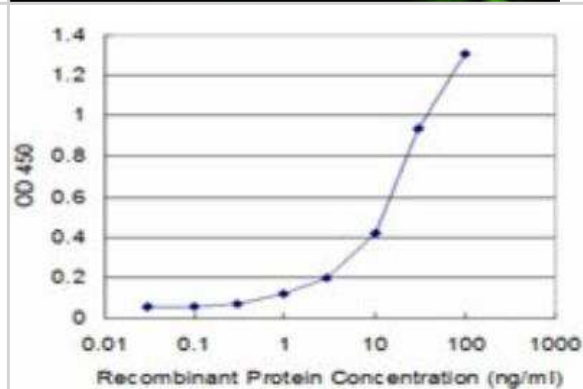
Immunocytochemistry/Immunofluorescence: Occludin Antibody (5A7) [H00004950-M02] - Occludin labeled Pig SC cells visualized by Alexa 488 conjugated secondary antibody. This image was submitted via customer Review.



Immunocytochemistry/Immunofluorescence: Occludin Antibody (5A7) [H00004950-M02] - Analysis of monoclonal antibody to OCLN on HeLa cell . Antibody concentration 10 ug/ml.



ELISA: Occludin Antibody (5A7) [H00004950-M02] - Detection limit for recombinant GST tagged OCLN is approximately 1ng/ml as a capture antibody.



## Publications

Chen Z, Chen F, Fang Z, et al. Glial activation and inflammation in the NTS in a rat model after exposure to diesel exhaust particles Environmental toxicology and pharmacology 2021-01-15 [PMID: 33460804] (IHC-P, IHC-Fr, Rat)



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### **Products Related to H00004950-M02**

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|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg   | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| H00004950-P01-10ug | Recombinant Human Occludin GST (N-Term) Protein         |

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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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