

# Product Datasheet

## alpha-Actinin 1 Antibody (OT17A4) - Azide and BSA Free NBP2-70078

Unit Size: 100 ug

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

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**NBP2-70078**

alpha-Actinin 1 Antibody (OTI7A4) - Azide and BSA Free

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 100 ug   |
| Concentration               | LYOPH mg/ml  |
| Storage                     | Store at -20C. Avoid freeze-thaw cycles.   |
| Clonality                   | Monoclonal   |
| Clone                       | OTI7A4   |
| Preservative                | No Preservative  |
| Reconstitution Instructions | we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. |
| Isotype                     | IgG2a  |
| Purity                      | Immunogen affinity purified  |
| Buffer                      | Lyophilized from PBS (pH 7.3) with 8% Trehalose  |
| Target Molecular Weight     | 102.9 kDa  |

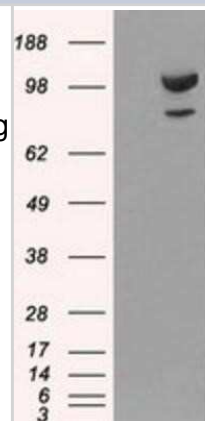
| Product Description |   |
|---------------------|---|
| Description         | Novus Biologicals Knockout (KO) Validated Mouse alpha-Actinin 1 Antibody (OTI7A4) - Azide and BSA Free (NBP1-48251) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.   |
| Host                | Mouse   |
| Gene ID             | 87  |
| Gene Symbol         | ACTN1   |
| Species             | Human, Mouse, Rat   |
| Reactivity Notes    | Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. |
| Immunogen           | Human recombinant protein fragment corresponding to amino acids 650-893 of human alpha-actinin (NP_001093) produced in E.coli.  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockout Validated                        |
| Recommended Dilutions       | Western Blot 1:2000, Immunohistochemistry 1:50, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50, Knockout Validated |

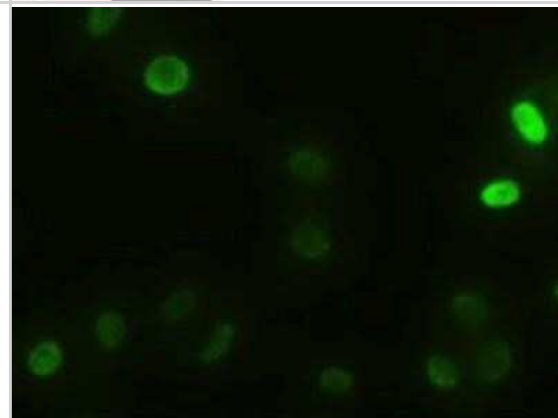


## Images

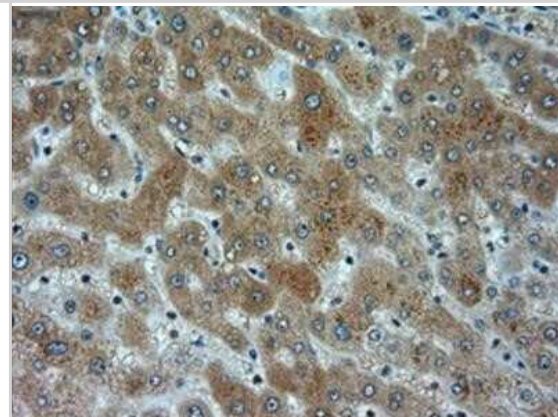
Western Blot: alpha-Actinin 1 Antibody (OT17A4) - Azide and BSA Free [NBP2-70078] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Alpha Actinin 1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Alpha



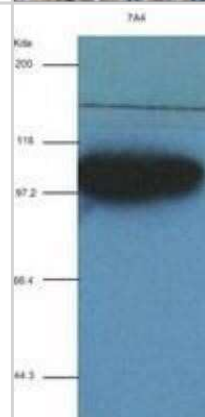
Immunocytochemistry/Immunofluorescence: alpha-Actinin 1 Antibody (OT17A4) - Azide and BSA Free [NBP2-70078] - Staining of HeLa cells using anti-Alpha Actinin 1 mouse monoclonal antibody.



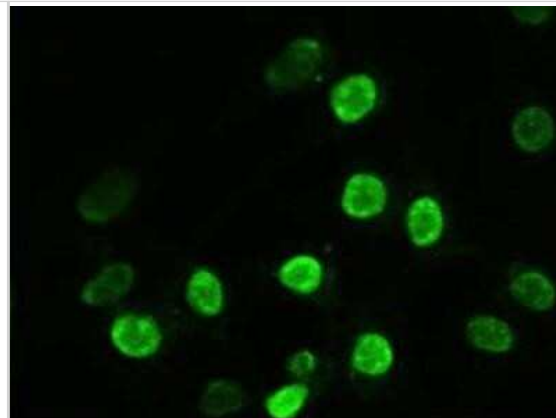
Immunohistochemistry: alpha-Actinin 1 Antibody (OT17A4) - Azide and BSA Free [NBP2-70078] - Staining of paraffin-embedded Human liver tissue using anti-Alpha Actinin 1 mouse monoclonal antibody.



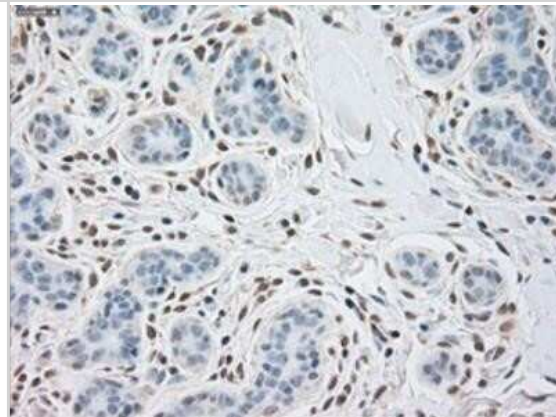
Western Blot: alpha-Actinin 1 Antibody (OT17A4) - Azide and BSA Free [NBP2-70078] - Alpha Actinin 1 antibody (7A4) at 1:2000 + recombinant human Alpha Actinin 1.



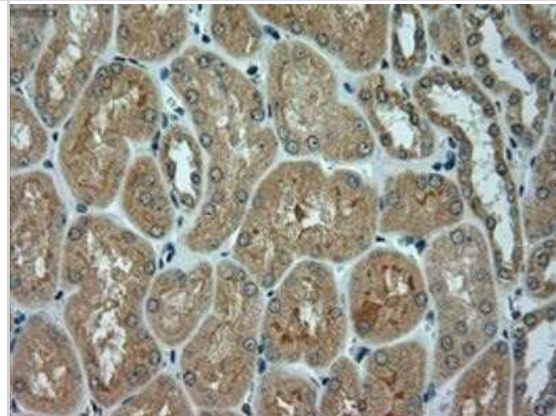
Immunocytochemistry/Immunofluorescence: alpha-Actinin 1 Antibody (OTI7A4) - Azide and BSA Free [NBP2-70078] - Staining of Hela cells transiently transfected by pCMV6-ENTRY Alpha Actinin 1.



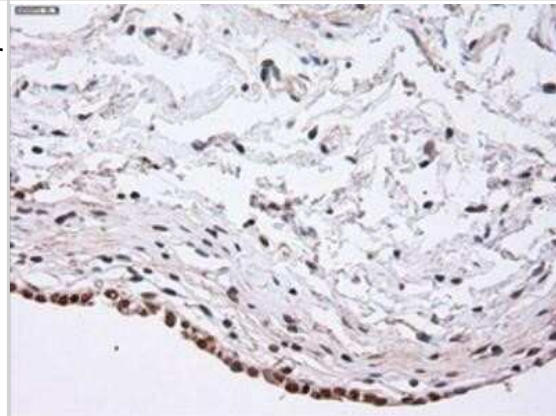
Immunohistochemistry: alpha-Actinin 1 Antibody (OTI7A4) - Azide and BSA Free [NBP2-70078] - Staining of paraffin-embedded Human breast tissue using anti-Alpha Actinin 1 mouse monoclonal antibody.



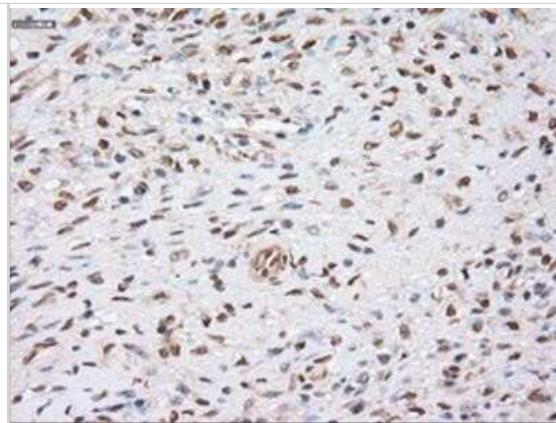
Immunohistochemistry: alpha-Actinin 1 Antibody (OTI7A4) - Azide and BSA Free [NBP2-70078] - Staining of paraffin-embedded Human Kidney tissue using anti-Alpha Actinin 1 mouse monoclonal antibody.



Immunohistochemistry: alpha-Actinin 1 Antibody (OTI7A4) - Azide and BSA Free [NBP2-70078] - Staining of paraffin-embedded Human bladder tissue using anti-Alpha Actinin 1 mouse monoclonal antibody.



Immunohistochemistry: alpha-Actinin 1 Antibody (OT17A4) - Azide and BSA Free [NBP2-70078] - Staining of paraffin-embedded Human Ovary tissue using anti-Alpha Actinin 1 mouse monoclonal antibody.





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### **Products Related to NBP2-70078**

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|             |  |
|-------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP]                |
| HAF007      | Goat anti-Mouse IgG Secondary Antibody [HRP]       |
| NB7539      | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-96778  | Mouse IgG2a Isotype Control (M2A)                  |

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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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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