

Product Datasheet

Transgelin/TAGLN/SM22 alpha Antibody (TAGLN/247)

[CoraFluor™ 1]

NBP2-47688CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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NBP2-47688CL1

Transgelin/TAGLN/SM22 alpha Antibody (TAGLN/247) [CoraFluor™ 1]

| Product Information | |
|-------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. Do not freeze. |
| Clonality | Monoclonal |
| Clone | TAGLN/247 |
| Preservative | No Preservative |
| Isotype | IgG1 Kappa |
| Conjugate | CoraFluor 1 |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Product Description | |
| Description | <p>CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.</p> <p>CoraFluor(TM) 1, amine reactive</p> <p>CoraFluor(TM) 1, thiol reactive</p> <p>For more information, please see our CoraFluor(TM) TR-FRET technology flyer.</p> |
| Host | Mouse |
| Gene ID | 6876 |
| Gene Symbol | TAGLN |
| Species | Human, Mouse, Porcine, Bovine, Rabbit |
| Specificity/Sensitivity | This monoclonal antibody recognizes a 22kDa protein, identified as Transgelin, also designated SM22-alpha. It may cross-react with SM22-beta. Transgelin is expressed abundantly in smooth muscle cells. The human transgelin gene encodes a 201 amino acid protein that contains nuclear factor-binding motifs known to regulate transcription in smooth muscle. During embryogenesis, transgelin is expressed in smooth, cardiac and skeletal muscle, but is restricted during late fetal development and adulthood to all vascular and visceral smooth muscle cells and low levels of expression in heart. Transgelin is down regulated in several transformed cell lines, indicating that a reduction of transgelin expression may be an early indicator of the onset of transformation. Transgelin also binds Actin, causing Actin fibers to gel within minutes of binding. Binding of transgelin to Actin occurs at a ratio of 1:6 Actin monomers. |
| Immunogen | Recombinant full-length human Transgelin/TAGLN/SM22 alpha protein. (Uniprot: Q01995) |



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| Notes | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254 |
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Product Application Details

| | |
|------------------------------|--|
| Applications | Immunohistochemistry-Paraffin, Immunohistochemistry |
| Recommended Dilutions | Immunohistochemistry, Immunohistochemistry-Paraffin |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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Products Related to NBP2-47688CL1

| | |
|------------------|---|
| NBP1-45267-0.1mg | Recombinant Human Transgelin/TAGLN/SM22 alpha His Protein |
| NBL1-16692 | Transgelin/TAGLN/SM22 alpha Overexpression Lysate |
| NB200-103 | p53 Antibody (PAb 240) - BSA Free |
| NB200-106 | p19ARF/CDKN2A Antibody - BSA Free |

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

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