

Product Datasheet

Caldesmon/CALD1 Antibody (CALD1/1424R) [Janelia Fluor® 549] NBP2-54311JF549

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-54311JF549

Caldesmon/CALD1 Antibody (CALD1/1424R) [Janelia Fluor® 549]

| 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. |
| Clonality | Monoclonal |
| Clone | CALD1/1424R |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Conjugate | Janelia Fluor 549 |
| Purity | Protein A or G purified |
| Buffer | 50mM Sodium Borate |

| Product Description | |
|-------------------------|--|
| Host | Rabbit |
| Gene ID | 800 |
| Gene Symbol | CALD1 |
| Species | Human, Rat |
| Reactivity Notes | Human and Rat. Others not known. |
| Marker | Smooth Muscle Marker |
| Specificity/Sensitivity | Recognizes a protein of 150kDa, which is identified as the high molecular weight variant of Caldesmon. Two closely related variants of human caldesmon have been identified which are different in their electrophoretic mobility and cellular distribution. The h-caldesmon variant (120 150kDa) is predominantly expressed in smooth muscle whereas l-caldesmon (70 80kDa) is found in non- muscle tissue and cells. Neither of the two variants has been detected in skeletal muscle. This monoclonal antibody recognizes only the 150kDa variant (h-caldesmon) in Western blots of human aortic media extracts and is unreactive with fibroblast extracts from cultivated human foreskin. Caldesmon is a developmentally regulated protein involved in smooth muscle and non-muscle contraction. |
| Immunogen | Recombinant human full-length Caldesmon/CALD1 protein (Uniprot: Q05682) |
| Notes | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus. |

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





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Products Related to NBP2-54311JF549

| | |
|--------------------|--|
| NBP2-24891JF549 | Rabbit IgG Isotype Control [Janelia Fluor 549] |
| H00000800-P01-10ug | Recombinant Human Caldesmon/CALD1 GST (N-Term) Protein |
| NBP2-74969 | Human Caldesmon/CALD1 ELISA Kit (Colorimetric) |
| MAB4470 | Myosin Heavy Chain Antibody (MF20) [Unconjugated] |

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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