

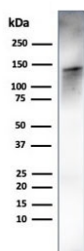
Recombinant Caldesmon Antibody / CAD / CALD1 (HMW) [clone rCALD1/820] (V8878)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V8878-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8878-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V8878SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

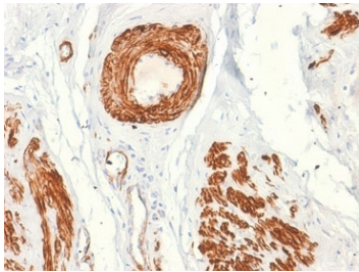
Recombinant MOUSE MONOCLONAL

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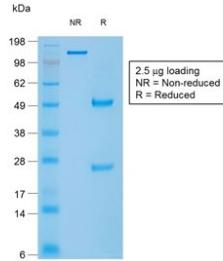
| | |
|--------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Recombinant Mouse Monoclonal |
| Isotype | Mouse IgG1, kappa |
| Clone Name | rCALD1/820 |
| Purity | Protein A/G affinity |
| UniProt | Q05682 |
| Localization | Cytoplasmic |
| Applications | Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml |
| Limitations | This recombinant Caldesmon antibody is available for research use only. |



Western blot testing of human ovary tissue lysate using recombinant Caldesmon antibody (clone rCALD1/820). Predicted molecular weight ~93 kDa, can be observed at 70-80 kDa (non muscle tissue) and 120-150 kDa (smooth muscle).



IHC staining of FFPE human leiomyosarcoma tissue with recombinant Caldesmon antibody (clone rCALD1/820). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Caldesmon antibody (clone rCALD1/820) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the recombinant Caldesmon antibody should be determined by the researcher.

Immunogen

Recombinant full-length human CALD1 protein was used as the immunogen for the recombinant Caldesmon antibody.

Storage

Aliquot the recombinant Caldesmon antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.