

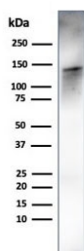
Recombinant Caldesmon Antibody / CAD / CALD1 (HMW) [clone rCALD1/820] (V8878)

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

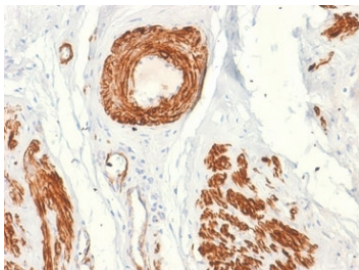
Recombinant MOUSE MONOCLONAL

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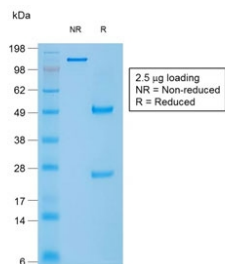
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCALD1/820
Purity	Protein A/G affinity
UniProt	Q05682
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 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.