

## Product Datasheet

# CAD Antibody Cocktail / CALD1 / Caldesmon (HMW) (orb749859)

<b>Catalog Number</b>	orb749859
<b>Category</b>	Antibodies
<b>Description</b>	<p>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. Caldesmon is a developmentally regulated protein involved in smooth muscle and non-muscle contraction.</p>
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
<b>Purification</b>	Protein G affinity chromatography
<b>Immunogen</b>	Recombinant full-length human protein (CALD1/820) and crude human uterus extract (h-CALD) were used as the immunogen for the CAD antibody cocktail.
<b>UniProt ID</b>	<b>Q05682</b>
<b>Tested applications</b>	IHC-P

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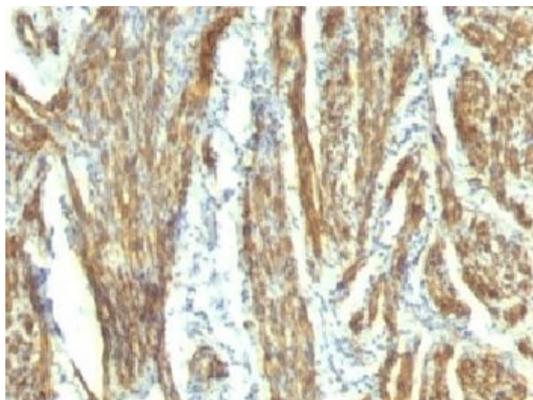
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<b>Dilution range</b>	Immunohistochemistry (FFPE): 0.25-0.5ug/ml for 30 min at RT
<b>Application notes</b>	Optimal dilution of the CAD antibody cocktail should be determined by the researcher.1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min.2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	CALD1/820 + h-CALD
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC: Formalin-fixed, paraffin-embedded human uterus stained with CAD antibody (CALD1/820 + h-CALD).

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