

Caldesmon Antibody | anti-CDM antibody

Caldesmon (Phospho-Ser789) Antibody

CATALOG # AAA267413	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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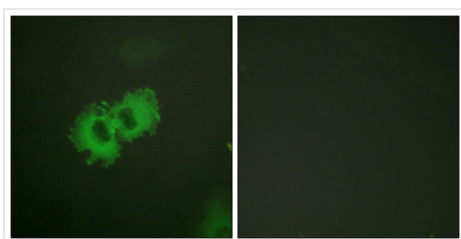
PRODUCT SYNONYMS

Caldesmon; Caldesmon (Phospho-Ser789) Antibody; CAD; CALD1; L-caldesmon; Non-muscle caldesmon; anti-CDM antibody

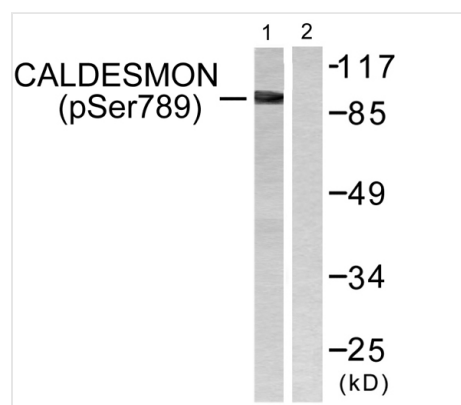
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Caldesmon (Phospho-Ser789) antibody detects endogenous levels of Caldesmon only when phosphorylated at serine 789.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	538
Applicable Applications for anti-CDM antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Caldesmon around the phosphorylation site of serine 789 (V-T-SP-P-T).
All Sites	Human: Ser789 Mouse: Ser560 Rat: Ser534
Preparation and Storage	Store at -20 degree C for 1 year.

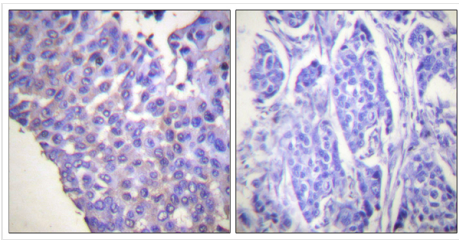
IMAGES


IF (Immunofluorescence)

P-peptide-+ Immunofluorescence analysis of HeLa cells, using Caldesmon (Phospho-Ser789) antibody.


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using Caldesmon (Phospho-Ser789) antibody. Western blot analysis of extracts from HeLa cells, treated with EGF (200ng/ml, 30mins), using Caldesmon (Phospho-Ser789) antibody.



Application Data
P-peptide-+

ADDITIONAL INFORMATION

References	Robert Eves, J. Cell Sci., May 2006; 119: 1691-1702. Shigeko Yamashiro, Mol. Biol. Cell, Jan 2001; 12: 239. KS Warren, J. Cell Biol., Apr 1994; 125: 359. Ping-Pin Zheng, Am. J. Pathol., Jun 2004; 164: 2217-2228.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826657
NCBI GeneID	800
NCBI Accession #	NP_004333.1
NCBI GenBank Nucleotide #	NM_004342.6
UniProt Accession #	Q05682; Q13978; Q13979; Q14741; Q14742; Q9UD91; A8K0X1
Molecular Weight	65,620 Da
NCBI Official Full Name	caldesmon isoform 2
NCBI Official Synonym Full Names	caldesmon 1
NCBI Official Symbol	CALD1
NCBI Official Synonym Symbols	CDM; HCAD; LCAD; H-CAD; L-CAD; NAG22
NCBI Protein Information	caldesmon
UniProt Protein Name	Caldesmon
UniProt Gene Name	CALD1
UniProt Synonym Gene Names	CAD; CDM; CDM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdm-human-mouse-rat-antibody/caldesmon/267413>