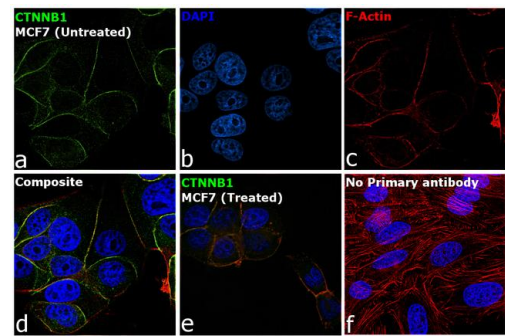


# beta Catenin Monoclonal Antibody (EM-22)

Product Details	
Size	100 µg
Species Reactivity	Hamster, Human, Mouse
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	EM-22
Conjugate	Unconjugated
Immunogen	Recombinant human beta-catenin
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_11153269

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunocytochemistry (ICC/IF)	Assay-dependent	-
Flow Cytometry (Flow)	1-4 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	-

Product Images For beta Catenin Monoclonal Antibody (EM-22)

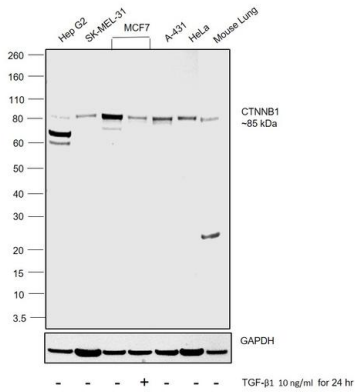


beta Catenin Antibody (MA1-10056)

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using beta Catenin Monoclonal Antibody (EM-22) (Product # MA1-10056), shows decreased expression of catenin beta-1 upon TGF- $\beta$ 1 treatment in MCF7 cells. {TM}

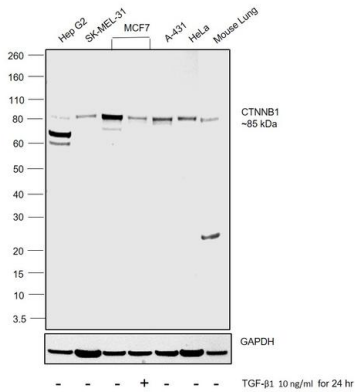
beta Catenin Antibody (MA1-10056) in WB

Western blot was performed using Anti-beta Catenin Monoclonal Antibody (EM-22) (Product # MA1-10056) and a 85 kDa band corresponding to Catenin beta-1 was observed across the cell lines and tissues tested except Hep G2 which contain an exon 3-4 truncation mutation in the CTNNB1 gene corresponding to deletion of amino acids 25-140 in the  $\beta$ -catenin protein. Whole cell extracts (30  $\mu$ g lysate) of Hep G2 (Lane 1), SK-MEL-31 (Lane 2), MCF7 (Lane 3), MCF7 treated with 10 ng/mL of TGF- $\beta$ 1 for 24 hours (Lane 4), A-431 (Lane 5), HeLa (Lane 6) and Mouse Lung (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



beta Catenin Antibody (MA1-10056)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using beta Catenin Monoclonal Antibody (EM-22) (Product # MA1-10056), shows decreased expression of catenin beta-1 upon TGF- $\beta$ 1 treatment in MCF7 cells in western blot. {TM}



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