

# Phospho-CREB (Ser133) Recombinant Rabbit Monoclonal Antibody (B16H16L26)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	B16H16L26
Conjugate	Unconjugated
Immunogen	proprietary
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532284

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1-3 µg/mL	

## Product Specific Information

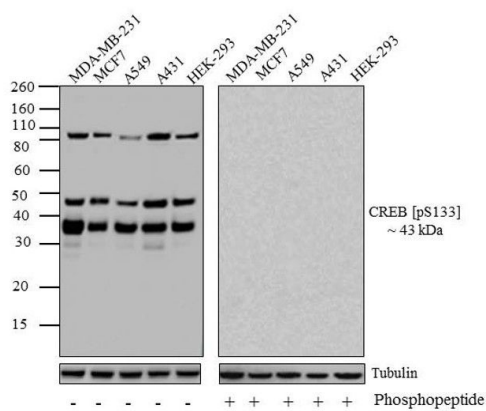
Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

## Product Images For Phospho-CREB (Ser133) Recombinant Rabbit Monoclonal Antibody (B16H16L26)

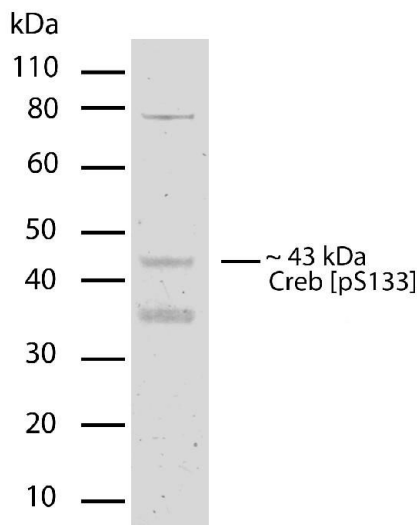
### Phospho-CREB (Ser133) Antibody (700129) in WB

Western blot analysis of CREB (pS133) was performed by loading 20 µg of MDA-MB-231 (lane1), MCF7 (lane2), A549 (lane3), A431 (lane4) and HEK-293 (lane5) cell lysates using Novex®NuPAGE®4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (Product # LC5800), and iBlot® Dry Blotting System (Product # IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. CREB (ps133) was detected at ~43 kDa using CREB Recombinant Rabbit Monoclonal Antibody (Product # 700129) at 1-3 µg /mL in 2.5 % skim milk at 4°C overnight on a rocking platform. To confirm specificity, competition was performed with phosphopeptide (10 µg/mL) as shown in the corresponding blot on right. Goat anti-Rabbit IgG-HRP Secondary Antibody (Product # G21234) at 1:5000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



### Phospho-CREB (Ser133) Antibody (700129) in WB

Western blot analysis of CREB in NIH-3T3 cells treated with PDGF (30 µg) using a CREB recombinant rabbit monoclonal antibody (Product # 700129) at a dilution of 0.01 µg/mL. NBT/BCIP was used as the substrate (Product # WB7105). Results show a band at ~43 kDa. The second ~37 kDa band is seen in many cell types and is probably a close member of the ATF family. Competition assays show the disappearance of both the bands.



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