

# Aurora B Recombinant Rabbit Monoclonal Antibody (RM278)

## Product Details

Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	RM278
Conjugate	Unconjugated
Immunogen	A peptide corresponding to the N-terminus of human Aurora kinase B
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1% BSA, 50% glycerol
Contains	0.09% sodium azide
Storage conditions	-20°C
RRID	AB_2744944

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:500	-
Immunocytochemistry (ICC/IF)	1:200	-

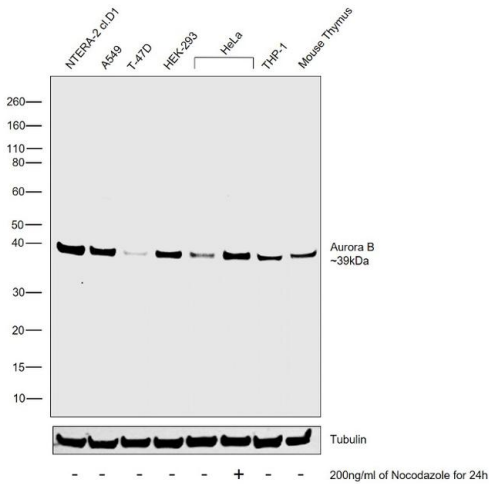
## Product Specific Information

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 Aurora B Recombinant Rabbit Monoclonal Antibody (RM278)

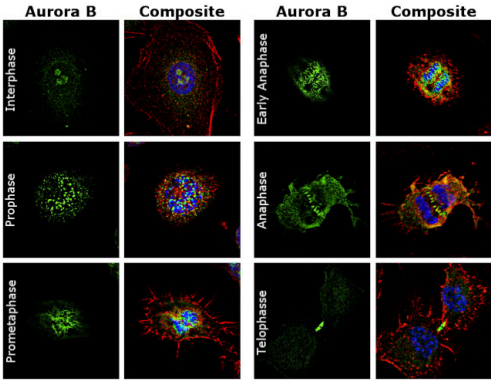
Aurora B Antibody (MA5-27890) in WB

Western blot was performed using Anti-Aurora B Recombinant Rabbit Monoclonal Antibody (RM278) (Product # MA5-27890) and a 39 kDa band corresponding to Aurora B was observed across cell lines and tissue tested. Cell extracts (30 µg lysate) of NTERA-2 cl.D1 (Lane 1), A549 (Lane 2), T-47D (Lane 3), HEK-293 (Lane 4), HeLa (Lane 5), HeLa treated with Nocodazole (200 ng/mL for 24h) (Lane 6), THP-1 (Lane 7) and Mouse Thymus (Lane 8) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



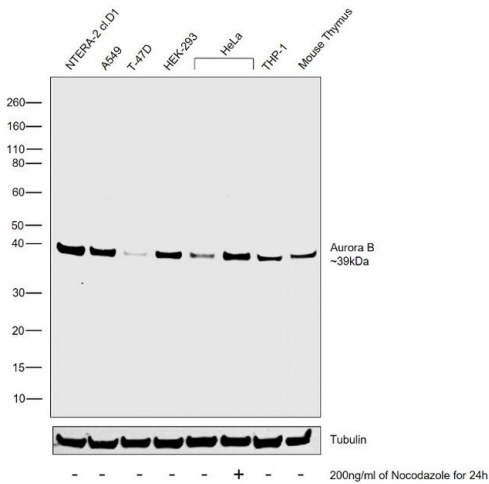
Aurora B Antibody (MA5-27890)

Detection of differential subcellular localization of the target protein during different phases of mitosis demonstrates antibody specificity. Immunofluorescence analysis of Aurora B using Aurora B Recombinant Rabbit Monoclonal Antibody (RM278) (Product # MA5-27890) shows Aurora B in different phases of A549 cells. Aurora B translocates to the central spindle early in anaphase. In telophase, Aurora B accumulates at the midbody arms and persists at the midbody until cytokinesis is completed. {RE}



Aurora B Antibody (MA5-27890)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot analysis of Aurora B using Anti-Aurora B Recombinant Rabbit Monoclonal Antibody (RM278) (Product # MA5-27890) shows an increase in Aurora B upon Nocodazole treatment in HeLa cell line. {TM}



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