

Aurora A Polyclonal Antibody

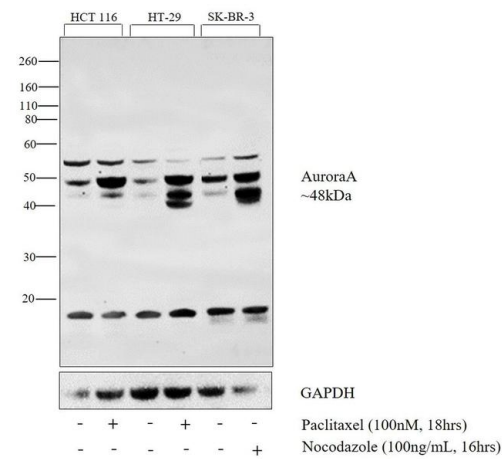
Product Details	
Size	50 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide, conjugated to KLH, corresponding to a portion of human Serine/Threonine Kinase 15 encoded within exon 5.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	tris citrate/tris phosphate, pH 7-8
Contains	0.09% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_779336

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.4-1 µg/mL	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-
Immunoprecipitation (IP)	2-10 µg/mg of lysate	1 Publication

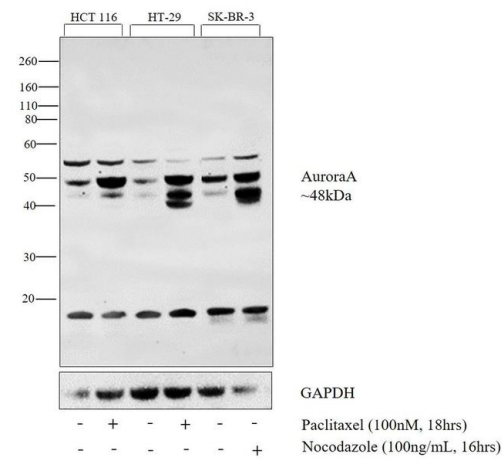
Product Specific Information

PA1-26351 detects Aurora A from human samples.

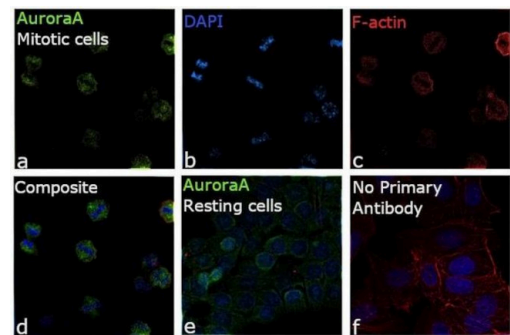
Product Images For Aurora A Polyclonal Antibody



Aurora A Antibody (PA1-26351)
Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western Blot analysis of AuroraA using Aurora A Polyclonal Antibody (Product # PA1-26351) shows decreased expression of protein in HCT 116, HT-29 and SKBR3 cell lines upon treatment with Paclitaxel/ Nocodazole. {TM}



Aurora A Antibody (PA1-26351) in WB
Western blot analysis was performed on modified whole cell extracts (1% SDS-30 µg lysates) of HCT 116 (Lane 1), HCT 116 treated with Paclitaxe I(100 nm for 18 hrs) (Lane 2), HT-29 (Lane 3), HT-29 treated with Paclitaxel (100 nm, 18hrs) (Lane 4), SK-BR-3 (Lane 5) and SK-BR-3 treated with Nocodazole (100 ng/mL, 16 hrs) (Lane 6). The blot was probed with Anti-Aurora A Polyclonal Antibody (Product # PA1-26351, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A 48 kDa band corresponding to AuroraA were observed across the cell lines tested, with an increase in expression upon treatment.



Aurora A Antibody (PA1-26351)
Altered expression of target protein upon cell treatment demonstrates antibody specificity. Immunofluorescence analysis of AuroraA using Aurora A Polyclonal Antibody (Product # PA1-26351) shows cytoplasmic expression, concentrated at the spindle poles in mitotic MCF7 cells, and cytoplasmic staining in resting cells. {RE}

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Immunoprecipitation (1)

<p>Nucleic acids research</p> <p>A kinase-independent function for AURORA-A in replisome assembly during DNA replication initiation.</p> <p>"Published figure using Aurora A polyclonal antibody (Product # PA1-26351) in Immunoprecipitation"</p> <p>Authors: Guarino Almeida E,Renaudin X,Venkitaraman AR</p>	<p>Year</p> <p>2020</p> <p>Species</p> <p>Human</p>
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