Phospho-Aurora A (Thr288) Monoclonal Antibody (F.131.2)

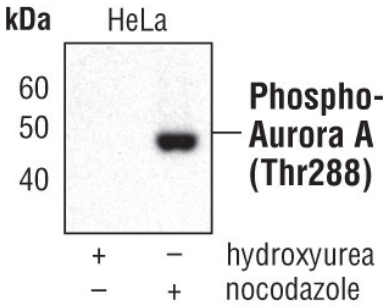
Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	F.131.2
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues around pThr288 of human Aurora A
Form	Liquid
Concentration	334 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10983549

Applications	**Tested Dilution**	**Publications**
Western Blot (WB)	1:1,000	2 Publications
Immunocytochemistry (ICC/IF)	1:1,600	1 Publication

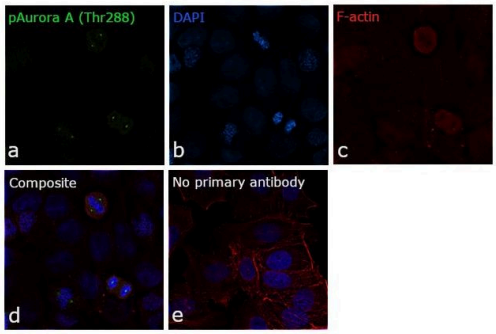
Product Specific Information

It is not recommended to aliquot this antibody.

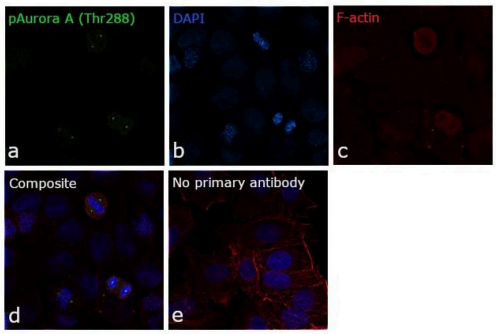
Product Images For Phospho-Aurora A (Thr288) Monoclonal Antibody (F.131.2)



Phospho-Aurora A (Thr288) Antibody (MA5-14904) in WB
Western blot analysis of Phospho-Aurora A pThr288 in extracts from HeLa and HT29 cells, hydroxyurea or nocodazole-treated, using Phospho-Aurora A pThr288 monoclonal antibody (Product # MA5-14904).



Phospho-Aurora A (Thr288) Antibody (MA5-14904)
Altered expression of target protein between dividing and resting cells demonstrates antibody specificity. Immunofluorescence of Phospho-Aurora A (Thr288) using with Phospho-Aurora A (Thr288) Monoclonal Antibody (F.131.2) (Product # MA5-14904) shows expression at the spindle poles in mitotic cells, as compared to no expression in resting cells of MCF7. {RE}



Phospho-Aurora A (Thr288) Antibody (MA5-14904) in ICC/IF
Immunofluorescence analysis of Phospho-Aurora A (Thr288) was performed using 70% confluent log phase MCF7 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Phospho-Aurora A (Thr288) Monoclonal Antibody (F.131.2) (Product # MA5-14904) at 1:250 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing localization to spindle poles in dividing cells. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

View more figures on thermofisher.com

3 References

Western Blot (2)

Nature communications

CoA synthase regulates mitotic fidelity via CBP-mediated acetylation.

"Published figure using Phospho-Aurora A (Thr288) monoclonal antibody (Product # MA5-14904) in Western Blot"

Authors: Lin CC,Kitagawa M,Tang X,Hou MH,Wu J,Qu DC,Srinivas V,Liu X,Thompson JW,Mathey-Prevot B,Yao TP, Lee SH,Chi JT

Year
2018

Nature communications

A FRET biosensor reveals spatiotemporal activation and functions of aurora kinase A in living cells.

"Published figure using Phospho-Aurora A (Thr288) monoclonal antibody (Product # MA5-14904) in Western Blot"

Authors: Bertolin G,Sizaire F,Herbomel G,Reboutier D,Prigent C,Tramier M

Year
2016

Species
Human

Dilution
1:2000

Immunocytochemistry (1)

Nature communications

LPA signaling acts as a cell-extrinsic mechanism to initiate cilia disassembly and promote neurogenesis.

"MA5-14904 was used in Immunocytochemistry to investigate how lysophosphatidic acid, a multifunctional bioactive phospholipid, acts as a physiological extracellular factor to initiate cilia disassembly and promote neurogenesis."

Authors: Hu HB,Song ZQ,Song GP,Li S,Tu HQ,Wu M,Zhang YC,Yuan JF,Li TT,Li PY,Xu YL,Shen XL,Han QY,Li AL, Zhou T,Chun J,Zhang XM,Li HY

Year
2021

Species
Human

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