

# Product Datasheet

## ASPM Antibody NB100-2278

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NB100-2278**

ASPM Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.25 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

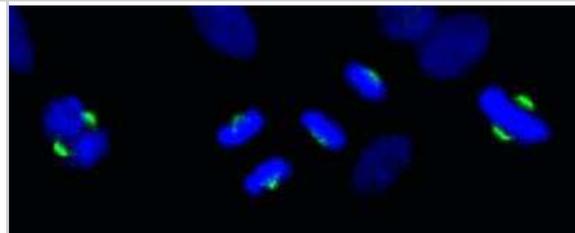
Product Description	
Host	Rabbit
Gene ID	259266
Gene Symbol	ASPM
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 22350525).
Immunogen	The immunogen recognized by this antibody maps to a region between residue 3425 and the C-terminus (residue 3477) of human ASP (Abnormal Spindle)-like, Microcephaly Associated using the numbering given in entry NP_060606.2 (GeneID 259266).

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:100 - 1:500, Immunocytochemistry/ Immunofluorescence 1:100 - 1:500, Immunohistochemistry-Paraffin
Application Notes	For ICC/IF: Permeabilization with Triton-X 100 is recommended. Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Likely to work with frozen sections. IHC was reported in scientific literature (PMID: 22350525). Use in IHC-P reported in scientific literature (PMID: 30092011).

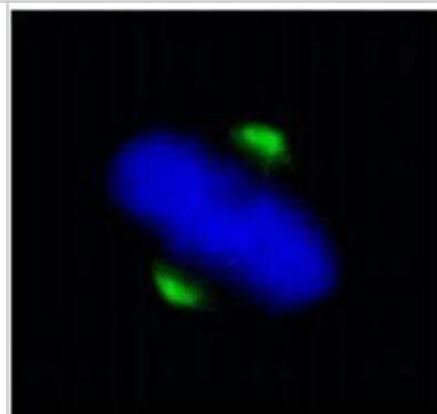


## Images

Immunocytochemistry/Immunofluorescence: ASPM Antibody [NB100-2278] - Samples: NBF-fixed asynchronous HeLa cells . Antibody: Affinity purified rabbit anti-ASPM used at a dilution of 1:250. Detection: Goat anti-rabbit IgG (h&l) FITC used at a dilution of 1:100.



Immunocytochemistry/Immunofluorescence: ASPM Antibody [NB100-2278] - Detection of Human ASPM in NBF-fixed asynchronous HeLa cells with anti-ASPM used at a dilution of 1:250. Detection: Goat anti-rabbit IgG (h&l) FITC used at a dilution of 1:100.



## Publications

Hei-Yong G Lo, Chad G Pearson, J Matthew Taliaferro Differential subcellular localization of ASPM RNA and protein microPublication Biology 2024-01-24 [PMID: 38344067]

Li Y, Liu Y, Gao Z et al. Single-cell transcriptomes of mouse bladder urothelium uncover novel cell type markers and urothelial differentiation characteristics Cell Proliferation 2021-04-01 [PMID: 33538002] (Immunocytochemistry/Immunofluorescence)

So C, Seres K. B, et al. A liquid-like spindle domain promotes acentrosomal spindle assembly in mammalian oocytes. Science 2019-06-28 [PMID: 31249032] (ICC/IF, Mouse, Sheep, Porcine, Bovine)

Chinen T, Yamamoto S, Takeda Y et al. NuMA assemblies organize microtubule asters to establish spindle bipolarity in acentrosomal human cells EMBO J. 2019-11-29 [PMID: 31782546] (ICC/IF)

Gemble S, Simon A, Pennetier C et al. Centromere Dysfunction Compromises Mitotic Spindle Pole Integrity Curr. Biol. 2019-09-23 [PMID: 31495582] (Human)

Raman P, Maddipati R, Lim KH et al. Pancreatic cancer survival analysis defines a signature that predicts outcome PLoS ONE 2018-08-09 [PMID: 30092011] (IHC-P, Human)

Jiang K, Rezabkova L, Hua S et al. Microtubule minus-end regulation at spindle poles by an ASPM-katanin complex. Nat. Cell Biol. 2017-05-01 [PMID: 28436967] (ICC/IF)

Sgourdou P, Mishra-Gorur K, Saotome I et al. Disruptions in asymmetric centrosome inheritance and WDR62-Aurora kinase B interactions in primary microcephaly. Sci Rep. 2017-03-08 [PMID: 28272472] (ICC/IF, Mouse)

Griffith E, Walker S, Martin CA et al. Mutations in pericentrin cause Seckel syndrome with defective ATR-dependent DNA damage signaling. Nat Genet 2008-02-01 [PMID: 18157127]

Bainer RO, Veneris JT, Yamada SD et al. Time-dependent transcriptional profiling links gene expression to mitogen-activated protein kinase kinase 4 (MKK4)-mediated suppression of omental metastatic colonization. Clin Exp Metastasis 2012-06-01 [PMID: 22350525] (IF/IHC, Mouse)



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### **Products Related to NB100-2278**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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