

Rabbit anti-Human ASPM Polyclonal Antibody | anti-ASPM antibody

ASPM Antibody

CATALOG # AAA322716	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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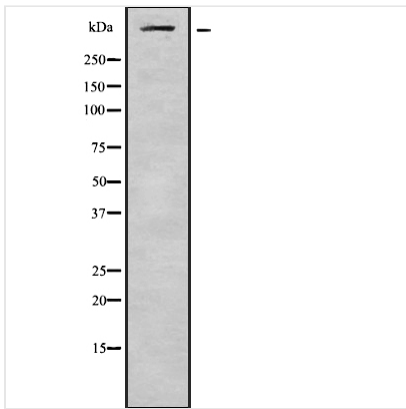
PRODUCT SYNONYMS

ASPM; Polyclonal Antibody; ASPM Antibody; anti-ASPM antibody

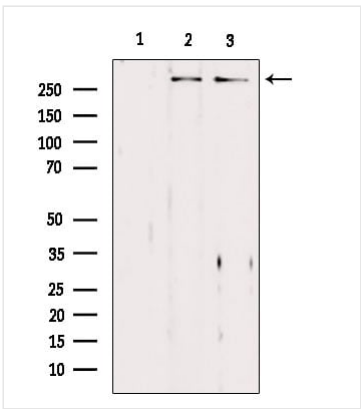
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ASPM antibody detects endogenous levels of total ASPM
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1892
Applicable Applications for anti-ASPM antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human ASPM
Subcellular Location	Cytoskeleton; Nucleus
Predicted Cross Reactivity	Bovine, Horse, Sheep, Dog
Similarity	Bovine (82%), Horse (100%), Sheep (82%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of ASPM using HeLa whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from various samples, using ASPM Antibody. Lane 1: 293 treated with blocking peptide. Lane 2: 293; Lane 3: HeLa;

ADDITIONAL INFORMATION

Related Product Information for anti-ASPM antibody	Function: Involved in mitotic spindle regulation and coordination of mitotic processes. The function in regulating microtubule dynamics at spindle poles including spindle orientation, astral microtubule density and poleward microtubule flux seems to depend on the association with the katanin complex formed by KATNA1 and KATNB1. Enhances the microtubule lattice severing activity of KATNA1 by recruiting the katanin complex to microtubules. Can block microtubule minus-end growth and reversely this function can be enhanced by the katanin complex (PubMed:28436967). May have a preferential role in regulating neurogenesis. Subunit Structure: Interacts with KATNA1 and KATNB1; katanin complex formation KATNA1:KATNB1 is required for the association.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332205965
NCBI GeneID	259266
NCBI Accession #	NP_001193775.1
NCBI GenBank Nucleotide #	NM_001206846.1
UniProt Accession #	Q8IZT6; Q4G1H1; Q5VYL3; Q86UX4; Q8IUL2; Q8IZJ7; Q8IZJ8; Q8IZJ9; Q8N4D1; Q9NVS1; Q9NVT6
Molecular Weight	Observed: 410 kDa Predicted: 410 kDa
NCBI Official Full Name	abnormal spindle-like microcephaly-associated protein isoform 2
NCBI Official Synonym Full Names	abnormal spindle microtubule assembly
NCBI Official Symbol	ASPM
NCBI Official Synonym Symbols	ASP; MCPH5; Calmbp1
NCBI Protein Information	abnormal spindle-like microcephaly-associated protein
UniProt Protein Name	Abnormal spindle-like microcephaly-associated protein
UniProt Gene Name	ASPM
UniProt Synonym Gene Names	MCPH5; Asp homolog

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

