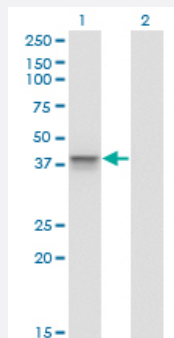


AURKB monoclonal antibody (M03), clone 6H7

Catalog # H00009212-M03

Size 100 ug

Applications

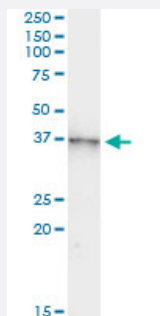


Western Blot (Transfected lysate)

Western Blot analysis of AURKB expression in transfected 293T cell line by AURKB monoclonal antibody (M03), clone 6H7.

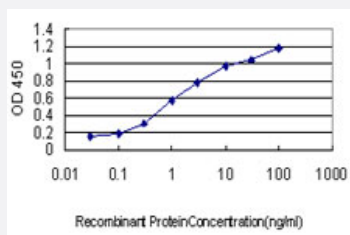
Lane 1: AURKB transfected lysate (Predicted MW: 39.3 kDa).

Lane 2: Non-transfected lysate.



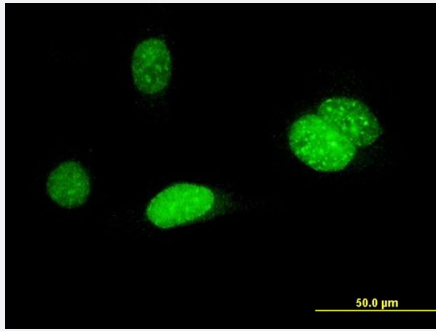
Immunoprecipitation

Immunoprecipitation of AURKB transfected lysate using anti-AURKB monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with AURKB monoclonal antibody.



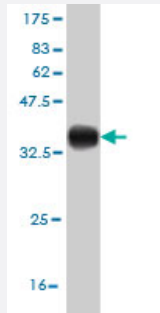
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AURKB is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to AURKB on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant AURKB.
Immunogen	AURKB (AAH09751, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAQKENSYPWPYGRQTAPSGLSTLPQRVLRKEPVTSPALVLMRSRNVQPTAAPGQKVMENSSG TPDILTRHFTIDDFEIGRPLGKGKFGN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (84)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of AURKB expression in transfected 293T cell line by AURKB monoclonal antibody (M03), clone 6H7.

Lane 1: AURKB transfected lysate (Predicted MW: 39.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of AURKB transfected lysate using anti-AURKB monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with AURKB monoclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AURKB is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to AURKB on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — AURKB

Entrez GeneID	9212
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GeneBank Accession#	BC009751
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Protein Accession#	AAH09751
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Gene Name	AURKB
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Gene Alias	AIK2, AIM-1, AIM1, ARK2, AurB, IPL1, STK12, STK5
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Gene Description	aurora kinase B
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Omim ID [604970](#)

Gene Ontology [Hyperlink](#)

Gene Summary Chromosomal segregation during mitosis as well as meiosis is regulated by kinases and phosphatases. The Aurora kinases associate with microtubules during chromosome movement and segregation. Aurora kinase B localizes to microtubules near kinetochores, specifically to the specialized microtubules called K-fibers, and Aurora kinase A (MIM 603072) localizes to centrosomes (Lampson et al., 2004 [PubMed 14767480]).[supplied by OMIM]

Other Designations aurora-1|aurora-B|serine/threonine kinase 12

Disease

- [Brain Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)