



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:28 pm GMT

EMDB ID : EMD-5167  
Title : 3D reconstruction of a microtubule decorated with monomeric human kinesin (K349 construct) having ADP aluminum fluoride complex bound in the nucleotide pocket.  
Authors : , Sindelar.CV.; , Downing.KH.  
Deposited on : 2010-02-03  
Resolution : 9.10 Å(reported)

This is a Full wwPDB EM Map Validation Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp>  
with specific help available everywhere you see the ⓘ symbol.

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The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**  
Validation Pipeline (wwPDB-VP) : 2.13

# 1 Experimental information

Property	Value	Source
EM reconstruction method	helical	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	Not provided	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	done within FREALIGN	Depositor
Microscope	JEOL 4000EX	Depositor
Voltage (kV)	400	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	15	Depositor
Minimum defocus (nm)	0.7	Depositor
Maximum defocus (nm)	1.6	Depositor
Magnification	60000.0	Depositor
Image detector	KODAK SO-163 FILM	Depositor