

For Research Use Only

AURKA Monoclonal antibody, PBS Only (Detector)



Catalog Number: 66757-1-PBS

Featured Product

Basic Information

Catalog Number: 66757-1-PBS	GenBank Accession Number: BC002499	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 6790	CloneNo.: 1F4B10
Source: Mouse	UNIPROT ID: O14965	
Isotype: IgG3	Full Name: aurora kinase A	
Immunogen Catalog Number: AG20096	Calculated MW: 46 kDa	
	Observed MW: 46-52 kDa	

Applications

Tested Applications:
Cytometric bead array, Indirect ELISA, IF/ICC, IHC, WB

Species Specificity:
rat, mouse, human

Product Information

66757-1-PBS targets AURKA as part of a matched antibody pair:

MP50265-1: 66757-2-PBS capture and 66757-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

AURKA (Aurora kinase A), also named as STK6, STK15 or AIK, belongs to the Ser/Thr protein kinase family. This protein may play a role in cell cycle regulation during anaphase and/or telophase by being involved in microtubule formation and/or stabilization. Some recent evidence revealed that AURKA may also be implicated in tumor development and progression. AURKA is expressed highly in testis and various proliferating cells, migrating as a 46 kDa protein in SDS PAGE. Nuclear staining for AURKA is weak or nonexistent in normal tissue but strong in tumor tissue (PMID:19107951).

Storage

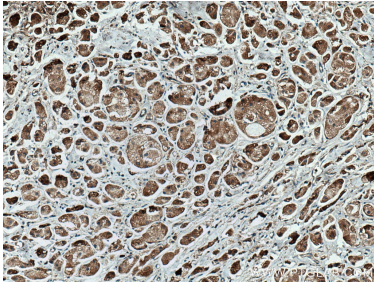
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

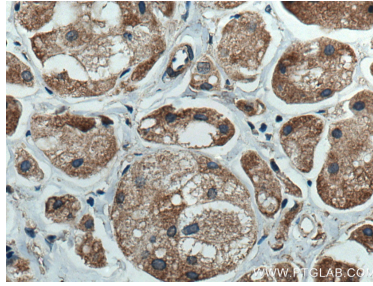
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

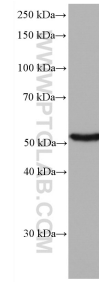
Selected Validation Data



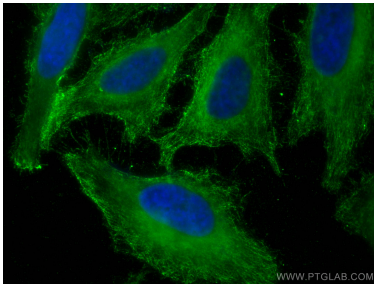
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66757-1-Ig (AURKA antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



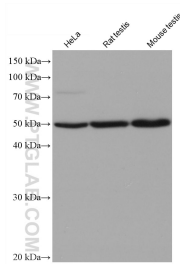
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66757-1-Ig (AURKA antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



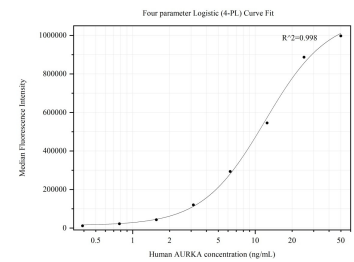
human testis tissue were subjected to SDS PAGE followed by western blot with 66757-1-Ig (AURKA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using AURKA antibody (66757-1-Ig, Clone: 1F4B10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66757-1-Ig (AURKA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66757-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50265-1, AURKA Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66757-2-PBS. Detection antibody: 66757-1-PBS. Standard: Ag20096. Range: 0.391-50 ng/mL.