

Product datasheet for **AM20483PU-N**

Aurora A (AURKA) (full length) Mouse Monoclonal Antibody [Clone ID: 7A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7A3
Applications:	IF, IHC, WB
Recommended Dilution:	Immunofluorescence. Immunohistochemistry on Paraffin Sections: 10 µg/ml. Western Blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Full length recombinant Aurora A protein
Specificity:	This antibody recognizes Aurora-Related Kinase 1 (ARK1/AURKA).
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	aurora kinase A
Database Link:	Entrez Gene 6790 Human O14965
Background:	Aurora A plays a role in cell cycle regulation during anaphase and/or telophase, in relation to the function of the centrosome/spindle pole region during chromosome segregation. Aurora A plays a key role during tumor development and progression and is overexpressed in many human cancers including breast, ovarian and colorectal. Aurora A is viewed as a potential target for anticancer drug treatment.



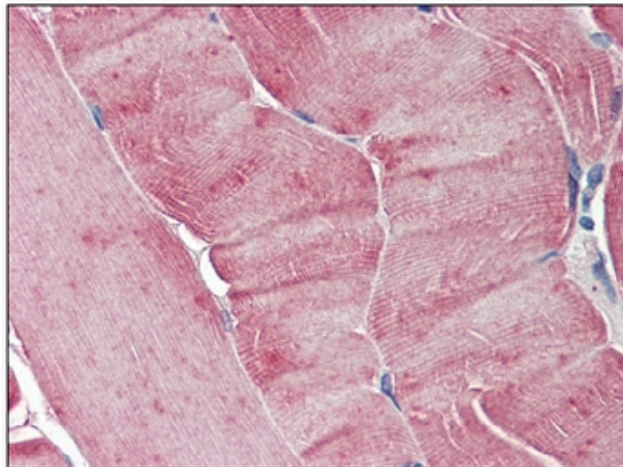
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Synonyms: AURKA, AIK1, ARK1, AURA, BTAK, STK15, STK6, Aurora/IPL1-related kinase 1, AURORA2

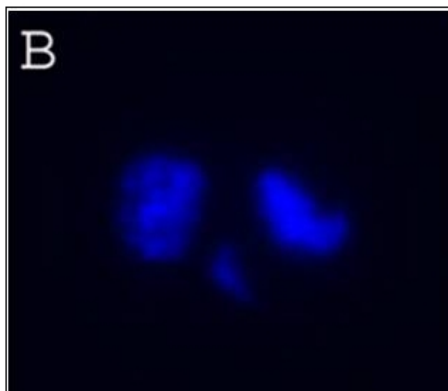
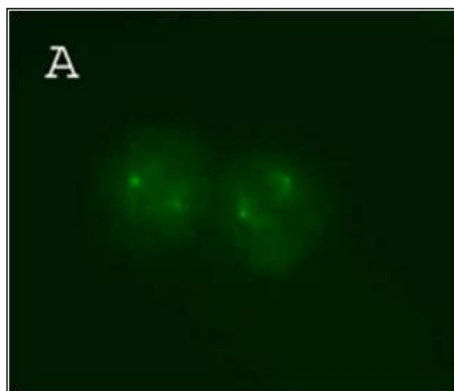
Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Protein Pathways: Oocyte meiosis

Product images:



Human Skeletal Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)



Panel A: HeLa cells stained with anti-Aurora A (clone 7A3) and FITC-conjugate Goat anti-Mouse antibody. Panel B: HeLa cells stained with DAPI to indicate nuclei.