



ARK-2 Monoclonal Antibody

Catalog No	YP-mAb-14668
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	AURKB
Immunogen	The antiserum was produced against synthesized peptide derived from human N-terminal AurB. AA range:1-50
Specificity	ARK-2 Monoclonal Antibody detects endogenous levels of ARK-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AURKB;Aurora kinase B;AIK2;AIM1;AIRK2;ARK2;STK1;STK12;STK5;Aurora 1; Aurora- and IPL1-like midbody-associated protein 1;AIM-1;Aurora/IPL1-related kinase 2;ARK-2;Aurora-related kinase 2;STK-1;Serine/threonine-protein kinase 12
Observed Band	39
Calculated Molecular Weight	39280
Cell Pathway	Nucleus . Chromosome . Chromosome, centromere . Chromosome, centromere, kinetochore . Cytoplasm, cytoskeleton, spindle . Midbody . Localizes on chromosome arms and inner centromeres from prophase through metaphase and then transferring to the spindle midzone and midbody from anaphase through cytokinesis (PubMed:20929775). Colocalized with gamma tubulin in the midbody (PubMed:17726514). Proper localization of the active, Thr-232-phosphorylated form during metaphase may be dependent upon interaction with SPDYC (PubMed:20605920). Colocalized with SIRT2 during cytokinesis with the midbody (PubMed:17726514). Localization (and probably targeting of the CPC) to the inner centromere occurs predominantly in regions with overlapping mitosis-specific histone phosphorylations H3pT3 and H2ApT12 (PubMed:20929775). .

**Tissue Specificity**

High level expression seen in the thymus. It is also expressed in the spleen, lung, testis, colon, placenta and fetal liver. Expressed during S and G2/M phase and expression is up-regulated in cancer cells during M phase. ; [Isoform 3]: Not expressed in normal liver, high expression in metastatic liver.

Function**Background****matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images