Product datasheet

Anti-PSTAIR Antibody (Clone#PSTAIR)

Catalog Number: *MA1087*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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Basic Information

Product Name	Anti-PSTAIR Antibody (Clone#PSTAIR)
Gene Name	CDK1
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	200 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	Synthetic 16 amino acid oligopeptide containing the PSTAIR sequence conjugated to BSA.
Concentration	200 ug/ml
Purification	Ascites
Observed MW	34 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

The cyclin-dependent protein kinases(CDKs) regulate major cell cycle transitions in eukaryotic cells. CDKs contain an evolutionary conserved 16 amino acid sequence called PSTAIR(EGVPSTAIREISLLKE) which distinguishes them from other protein kinases. The PSTAIRE motif found in prototypic CDC2 kinases. CDC2L1 is referred as PITSLRE B, based on the amino acid sequence of the region corresponding to the conserved CDC2 PSTAIRE box.

Selected Validation Data

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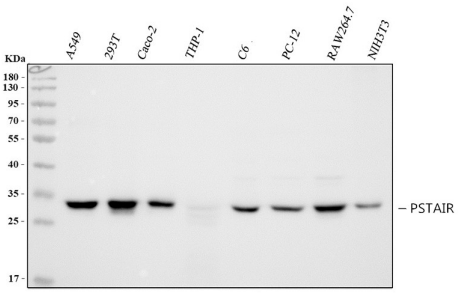

Western blot analysis of anti- PSTAIR antibody (MA1087). The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: A549 whole cell lysates,
Lane 2: 293T whole cell lysates,
Lane 3: Caco-2 whole cell lysates,
Lane 4: THP-1 whole cell lysates,
Lane 5: C6 whole cell lysates,
Lane 6: PC-12 whole cell lysates,
Lane 7: RAW264.7 whole cell lysates,
Lane 8: NIH/3T3 whole cell lysates.
Use mouse anti- PSTAIR 1:1000, probed with a goat anti-mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for PSTAIR at approximately 34KD. The expected band size for PSTAIR is at 34KD.