

AM20664PU-N**Monoclonal Antibody to PSTAIR motif - Purified**

Alternate names:	EGVPSTAIRESILLKE, PSTAIRE
Quantity:	0.1 mg
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Background:	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(EGVPSTAIRESILLKE) 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.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N
Clone:	IL-16
Immunogen:	Synthetic 16 amino acid oligopeptide containing the PSTAIR sequence conjugated to BSA.
Format:	State: Lyophilized purified Ig fraction Purification: Affinity chromatography Buffer System: 1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. Reconstitution: Restore with 1.2% sodium acetate or neutral PBS
Applications:	Western Blot: 0.25 - 0.5 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to PSTAIR. Species: Human, Mouse. Other species not tested.
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Xiang J, Lahti JM, Grenet J, Easton J, Kidd VJ. Molecular cloning and expression of alternatively spliced PITSLRE protein kinase isoforms. J Biol Chem. 1994 Jun 3;269(22):15786-94. PubMed PMID: 8195233.