

Product Datasheet

MLF1 Interacting Protein [p Thr78] Antibody - BSA Free NBP1-77938

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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Publications: 1

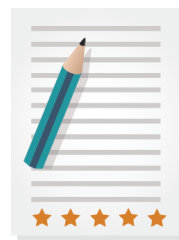
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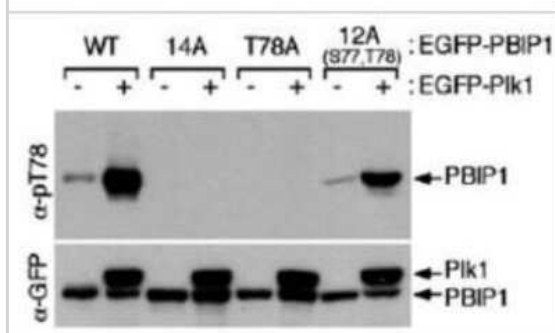
NBP1-77938**MLF1 Interacting Protein [p Thr78] Antibody - BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography using phospho-peptide coupled to agarose beads followed by solid phase adsorption against the non-phospho peptide Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	79682
Gene Symbol	CENPU
Species	Human
Reactivity Notes	A BLAST analysis was used to suggest cross-reactivity with MLF1 Interacting Protein protein from human, dog, bovine and chimpanzee based on 100% homology with the immunizing sequence. Expect partial reactivity with homologues from rat and mouse (90% homology). Reactivity against homologues from other sources is not known.
Specificity/Sensitivity	This antibody is specific for human MLF1 Interacting Protein protein phosphorylated at Thr78.
Immunogen	This affinity purified MLF1 Interacting Protein [p Thr78] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids surrounding Thr78 of human MLF1 Interacting Protein protein. The immunogen peptide is phosphorylated at Thr78. (Uniprot: Q71F23)
Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:5000-1:25000, Immunohistochemistry 20 ug/ml, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Dot Blot
Application Notes	This affinity purified antibody has been tested for use in ELISA, western blotting, IF, and IHC. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 65 kDa in size corresponding to MLF1IP protein by western blotting in the appropriately stimulated tissue, cell lysate or extract.

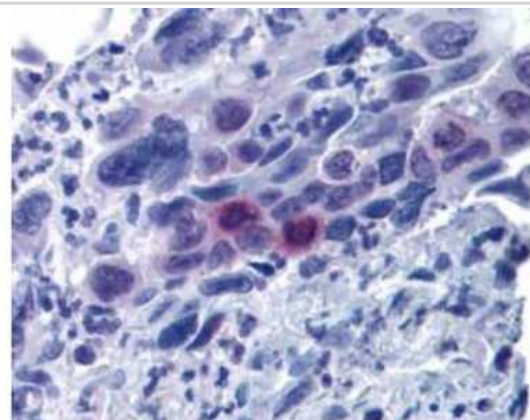


Images

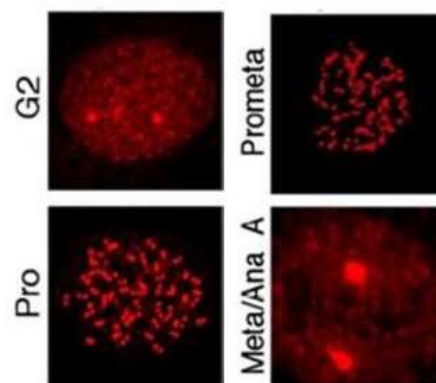
Western Blot: MLF1 Interacting Protein [p Thr78] Antibody [NBP1-77938]
 - Shows detection of MLF1IP phosphorylated at Thr78. HeLa cells were co-infected with the indicated adenoviruses expressing GFP-tagged Plk1 or PBIP1. Blots were probed with the anti-MLF1IP pT78 antibody, stripped, and then reprobed with anti-GFP antibody (KA/G & Park, et al., 2006).



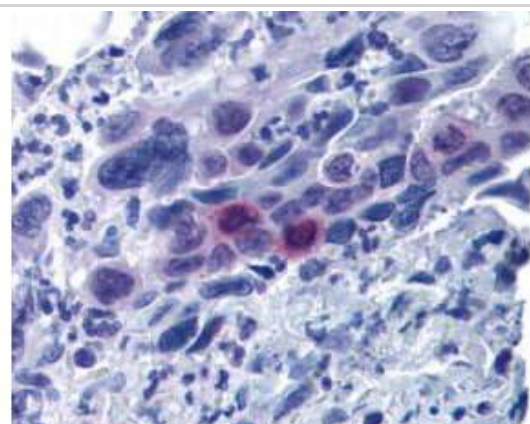
Immunohistochemistry: MLF1 Interacting Protein [p Thr78] Antibody [NBP1-77938] - Used at 20 g/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderately positive staining of mitotic cells in colon adenocarcinoma at 60X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal Communication, Tina Roush, LifeSpanBiosciences, Seattle, WA.



Immunohistochemistry: MLF1 Interacting Protein [p Thr78] Antibody [NBP1-77938] - Analysis of MLF1IP pT78 at the kinetochores of HeLa cells in different phases of the cell cycle. Fluorescent signals were detectable at the kinetochores as early as G2, became most abundant in prophase cells with a discernible nuclear envelope, and gradually diminished as cells proceeded through mitosis (Kang & Park, et al., 2006).



affinity purified anti-MLF1IP pT78 antibody was used at 20 ug/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderately positive staining of mitotic cells in colon adenocarcinoma at 60X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal Communication, Tina Roush, LifeSpan Biosciences, Seattle, WA.



Publications

Kang YH, Park JE, Yu LR et al. Self-regulated Plk1 recruitment to kinetochores by the Plk1-PBIP1 interaction is critical for proper chromosome segregation. Mol Cell 2006-11-01 [PMID: 17081991]

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-23247	Recombinant Human MLF1 Interacting Protein His Protein

Limitations

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