

Rabbit anti-p21 antibody, clone SQab18118 (monoclonal)

Clone no. SQab18118

MONOSAN

Product name	Rabbit anti-p21 antibody, clone SQab18118 (monoclonal)
Host	Rabbit
Applications	FC, ICC/IF, IHC-P
Species reactivity	Other
Conjugate	-
Immunogen	Synthetic peptide corresponding to aa. 1-100 of Human p21.
Isotype	-
Clonality	Monoclonal
Clone number	SQab18118
Size	100 ul
Concentration	n/a
Format	Purification with Protein A.
Storage buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Storage until expiry date	-20°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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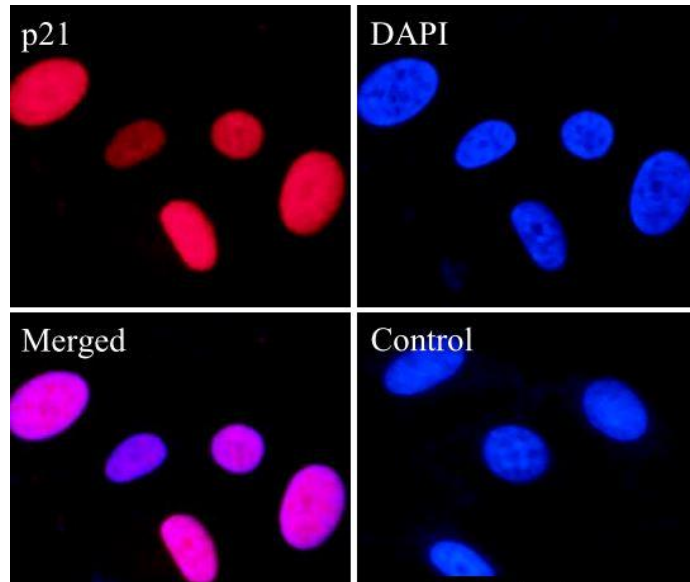
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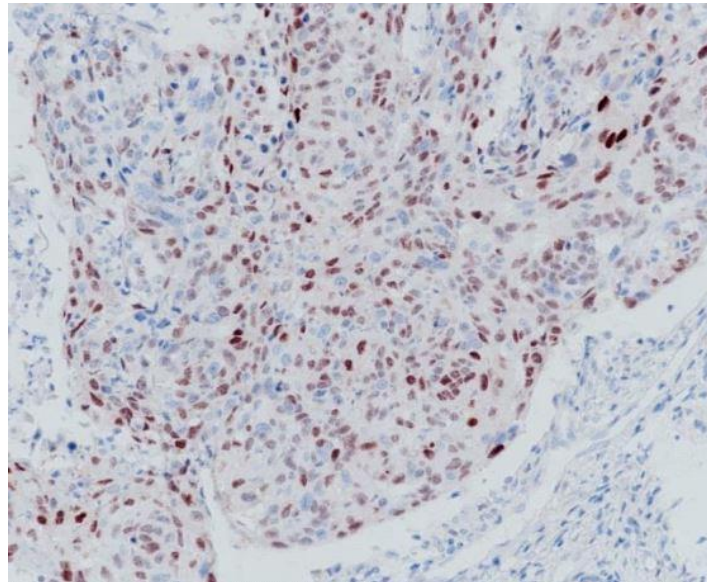
Additional info

Application note: IHC-P: Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0).* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. Storage instruction: For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. Background: This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-cyclin-dependent kinase2 or -cyclin-dependent kinase4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen, a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of cyclin-dependent kinase2, and may be instrumental in the execution of apoptosis following caspase activation. Mice that lack this gene have the ability to regenerate damaged or missing tissue. Multiple alternatively spliced variants have been found for this gene. [provided by RefSeq, Sep 2015]

Images



Immunofluorescence: MCF-7 cells fixed with 4% paraformaldehyde for 30 min at RT, permeabilized with 0.1% Triton X-100 for 10 min at RT then blocked with 10% Goat serum for half an hour at room temperature. Samples were stained with anti-p21 antibody [SQab18118]



Immunohistochemistry: Formalin-fixed and paraffin-embedded Human cervix cancer stained with anti-p21 antibody [SQab18118] at 1:200 dilution. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0).

References

1. -
2. -
3. -
4. -
5. -

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