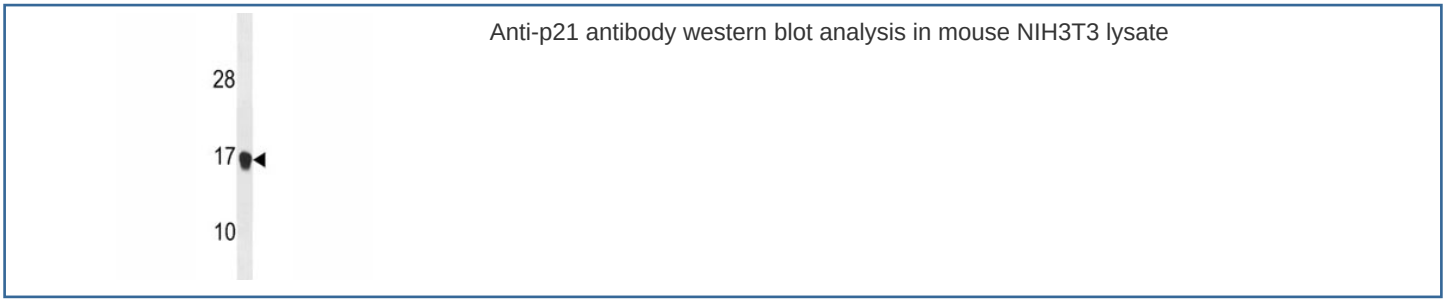
Anti-p21 Antibody (F52199)

Catalog No.	Formulation	Size
F52199-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52199-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P39689
Applications	Western blot: 1:1000
Limitations	This anti-p21 antibody is available for research use only.



Anti-p21 antibody western blot analysis in mouse NIH3T3 lysate

Description

May be the important intermediate by which p53/TP53 mediates its role as an inhibitor of cellular proliferation in response to DNA damage. Binds to and inhibits cyclin-dependent kinase activity, preventing phosphorylation of critical cyclin-dependent kinase substrates and blocking cell cycle progression. Functions in the nuclear localization and assembly of cyclin D-CDK4 complex and promotes its kinase activity towards RB1. At higher stoichiometric ratios, inhibits the kinase activity of the cyclin D-CDK4 complex (By similarity).

For additional research into CDKN1A-mediated cell cycle regulation and DNA damage responses, explore our p21

Antibody (V2431), featuring clone DCS-60.2.

Application Notes

Titration of the anti-p21 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 126-154 from the mouse protein was used as the immunogen for this anti-p21 antibody.

Storage

Aliquot the anti-p21 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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