abcam

ab180942

Anti-NIT1 antibody [EPR14577(B)]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR14577(B)
Purity	Tissue culture supernatant

Reactivity data

IP

Tested

Species	Human
Dilution info	1/60
Notes	-

Predicted

Species	Rat, Mouse

Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000 - 1/10000
Notes	-

Predicted

Species	Rat, Mouse
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/20
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Rat, Mouse
Dilution info	-
Notes	-

Target data

See full target information Deaminated glutathione amidase

Function	Catalyzes the hydrolysis of the amide bond in N-(4-oxoglutarate)-L-cysteinylglycine (deaminated glutathione), a metabolite repair reaction to dispose of the harmful

deaminated glutathione (PubMed:38430071). Plays a role in cell growth and apoptosis: loss of expression promotes cell growth, resistance to DNA damage stress and increased incidence to NMBA-induced tumors. Has tumor suppressor properties that enhances the apoptotic responsiveness in cancer cells; this effect is additive to the tumor suppressor activity of FHIT. It is also a negative regulator of primary T-cells.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

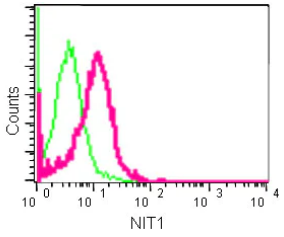
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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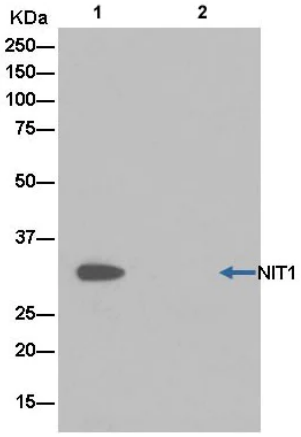
3 product images



Flow Cytometry (Intracellular) - Anti-NIT1 antibody [EPR14577(B)] (ab180942)

NIT1 Flow Cytometry (Intracellular) staining using rabbit Anti-NIT1 antibody

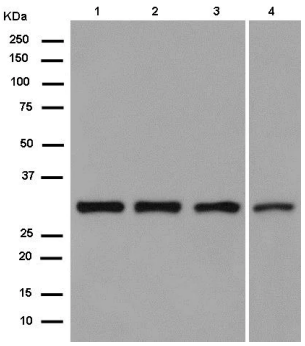
Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HeLacells labeling NIT1with ab180942at 1/20 dilution (red) compared to a Rabbit monoclonalIgG Isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary antibody at 1/150 dilution.



Immunoprecipitation - Anti-NIT1 antibody [EPR14577(B)] (ab180942)

Western blot analysis of fetal liver lysate immunoprecipitated using ab180942 at 1/60 dilution (Lane 1). Lane 2: Negative control. Anti-Rabbit IgG (HRP) secondary antibody, specific to the non-reduced form of IgG, used at 1/1500 dilution.
All lanes:
Immunoprecipitation - Anti-NIT1 antibody [EPR14577(B)] (ab180942)

Predicted band size: 35 kDa



Western blot - Anti-NIT1 antibody [EPR14577(B)] (ab180942)

All lanes:
Western blot - Anti-NIT1 antibody [EPR14577(B)] (ab180942) at 1/10000 dilution

Lane 1:
293T cell lysate at 20 µg

Lane 2:
HepG2 cell lysate at 20 µg

Lane 3:
HeLa cell lysate at 20 µg

Lane 4:
Fetal liver tissue lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 35 kDa

Observed band size: 32 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.