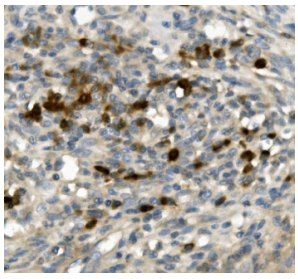
GFI1 Antibody (RQ5979)

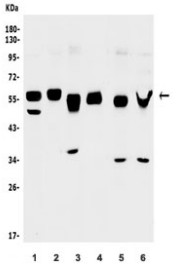
Catalog No.	Formulation	Size
RQ5979	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

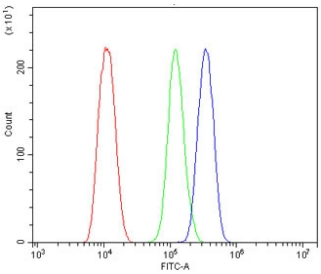
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q99684
Localization	Nuclear
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This GFI1 antibody is available for research use only.



IHC staining of FFPE human rectal cancer with GFI1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat spleen, 2) mouse thymus, 3) mouse RAW264.7, 4) mouse ANA-1, 5) human ThP-1 and 6) human Raji lysate with GFI1 antibody. Expected molecular weight: 47-55 kDa.



Flow cytometry testing of human ThP-1 cells with GFI1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GFI1 antibody.

Description

Zinc finger protein Gfi-1 is a transcriptional repressor that in humans is encoded by the GFI1 gene. It is mapped to 1p22.1. This gene encodes a nuclear zinc finger protein that functions as a transcriptional repressor. This protein plays a role in diverse developmental contexts, including hematopoiesis and oncogenesis. It functions as part of a complex along with other cofactors to control histone modifications that lead to silencing of the target gene promoters. Mutations in this gene cause autosomal dominant severe congenital neutropenia, and also dominant nonimmune chronic idiopathic neutropenia of adults, which are heterogeneous hematopoietic disorders that cause predispositions to leukemias and infections. Multiple alternatively spliced variants, encoding the same protein, have been identified for this gene.

Application Notes

Optimal dilution of the GFI1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-K422) was used as the immunogen for the GFI1 antibody.

Storage

After reconstitution, the GFI1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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