

Product datasheet for **TA805544AM**

GFI1 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI6E8]

Product data:

| | |
|--------------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI6E8 |
| Applications: | IHC, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:150 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 1-180 of human GFI1(NP_005254) produced in E.coli. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.5 mg/ml |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Biotin |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 45.1 kDa |
| Gene Name: | growth factor independent 1 transcriptional repressor |
| Database Link: | NP_005254 Entrez Gene 14581 Mouse Entrez Gene 24388 Rat Entrez Gene 2672 Human Q99684 |



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Background:

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. [provided by RefSeq, Jul 2008]

Synonyms:

GFI-1; GFI1A; SCN2; ZNF163

Note:

WB application: Only overexpression results are guaranteed, not endogenous.

Protein Families:

Druggable Genome, Transcription Factors

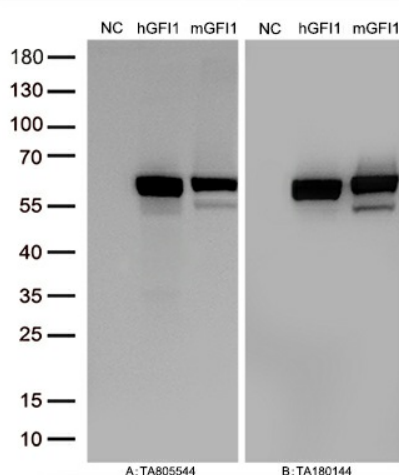
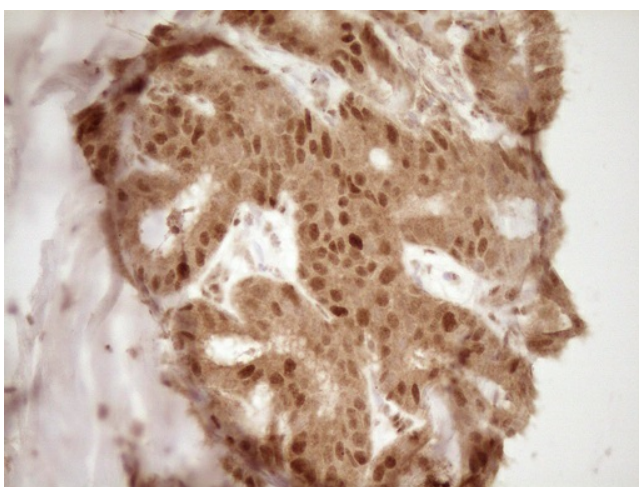
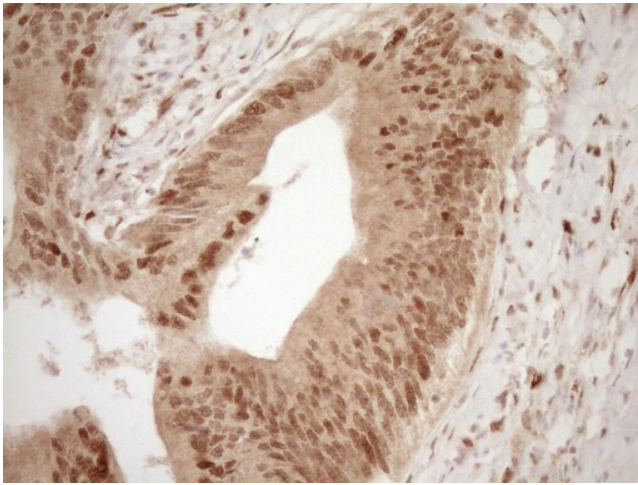
Product images:

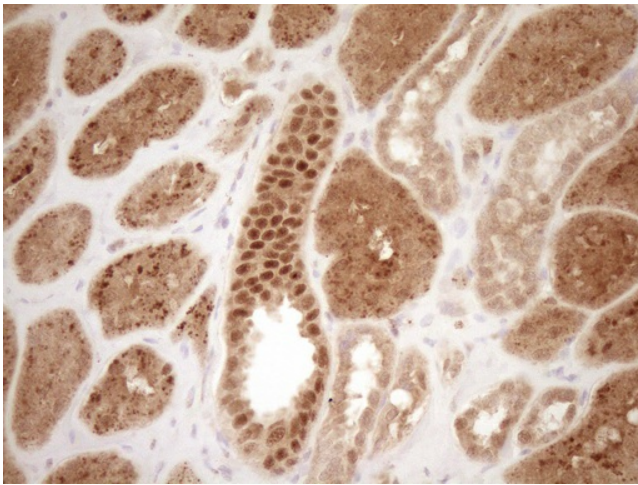
Figure A, Western blot analysis of overexpressed lysates (25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human GFI1 plasmid ([RC207574], hGFI1), mouse GFI1 plasmid ([MR227196], mGFI1) using anti-GFI1 antibody [TA805544] (1:5000@1mg/ml). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:5000@1mg/ml).



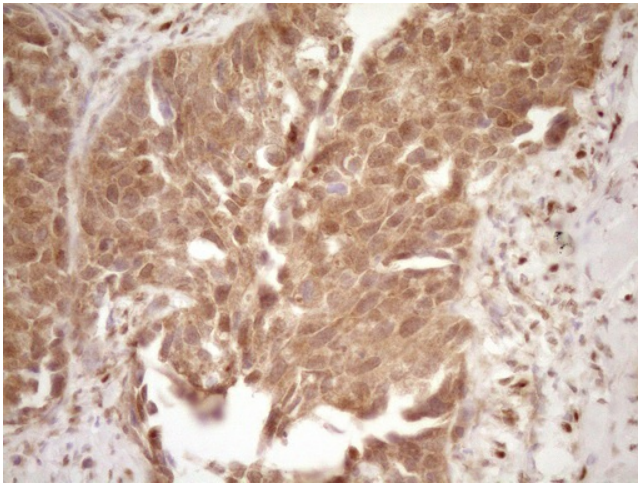
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-GFI1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



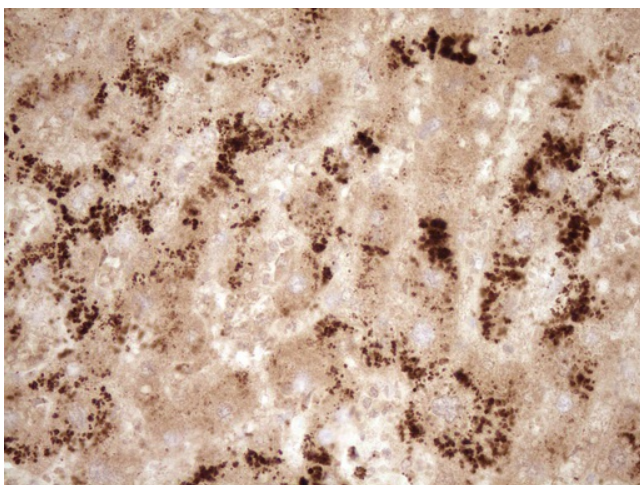
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-GFI1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-GFI1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GFI1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-GF11 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.