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11-3031: Polyclonal Antibody to Gbp1

Clonality :	Polyclonal
Application :	IHC,WB
Reactivity :	Human
Gene :	GBP1
Gene ID :	2633
Uniprot ID :	P32455
Format :	Purified
Alternative Name :	GBP1
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant Gbp1 protein (amino acids 200-592) was used as the immunogen for this antibody.

Description

Interferon-induced guanylate-binding protein 1 in humans is encoded by the GBP1 gene belongs to the dynamin superfamily of large GTPases and induced by interferons. GBP1 hydrolyzes GTP to GMP in two consecutive cleavage reactions and also exhibits antiviral activity against influenza virus. Diseases associated with GBP1 include pseudo pseudo hypoparathyroidism and aneurysmal bone cysts. It is widely expressed on central nervous system, mammary gland, skeletal muscle, skin, small intestine, stomach, etc.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 4-6 µg/ml, Immunohistochemical analysis: 20 µg/ml

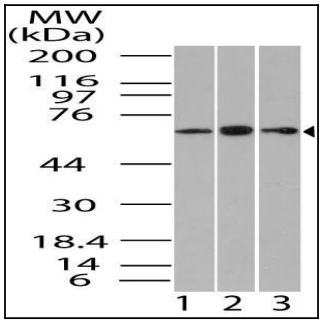


Fig-1: Western blot analysis of Gbp1. Anti- Gbp1 antibody (11-3031) was used at 4 µg/ml on 1) U87, 2) Jurkat and 3) Hela lysates.

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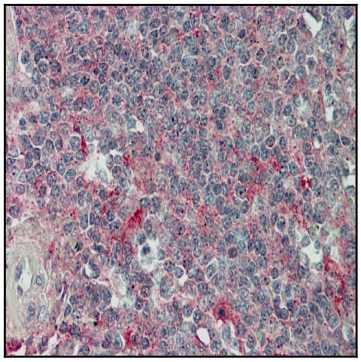


Fig-2: Immunohistochemical analysis of Gbp1 . Anti-Gbp1 antibody (11-3031) in human Spleen tissue at 20 µg/ml.

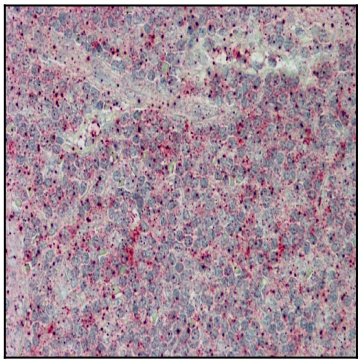


Fig-3: Immunohistochemical analysis of Gbp1 . Anti-Gbp1 antibody (11-3031) in human Tonsil tissue at 20 µg/ml.

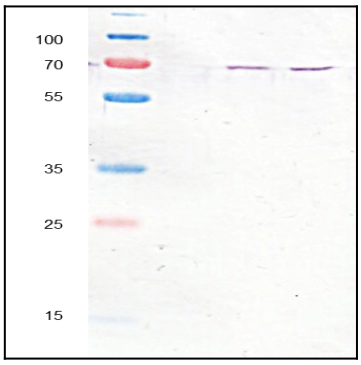


Figure 4: Human Guanylate-binding protein 1 (GBP1) is detected by immunoblotting using Polyclonal Antibody to Gbp1 (Prod. No. 11-3031). Method: GBP1 is analyzed by Western blot in cell extracts of HeLa cells treated overnight with 0, 10 or 100 ng /ml of IFN-Î³ (human) (rec.) (His). Cell extracts (20µl) are separated by SDS-PAGE under reducing conditions, transferred to nitrocellulose and incubated with Polyclonal Antibody to Gbp1 (2µg/ml). Proteins are visualized by TMB.

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