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# IGFALS Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7478c

## Product Information

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|---|---|
| **Application** | WB, IHC-P, FC, E |
| **Primary Accession** | P35858 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB18270 |
| **Calculated MW** | 66035 |
| **Antigen Region** | 308-335 |

## Additional Information

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| **Gene ID** | 3483 |
| **Other Names** | Insulin-like growth factor-binding protein complex acid labile subunit, ALS, IGFALS, ALS |
| **Target/Specificity** | This IGFALS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 308-335 amino acids from the Central region of human IGFALS. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | IGFALS Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | IGFALS |
| **Synonyms** | ALS |

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| **Function** | Involved in protein-protein interactions that result in protein complexes, receptor-ligand binding or cell adhesion. |
| **Cellular Location** | Secreted, extracellular space. |
| **Tissue Location** | Plasma. |

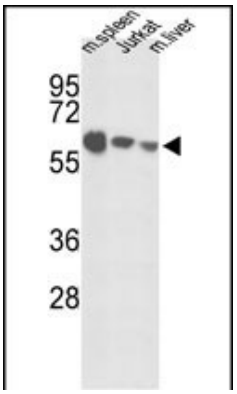
## Background

IGFALS is a serum protein that binds insulin-like growth factors, increasing their half-life and their vascular localization. Production of the protein, which contains twenty leucine-rich repeats, is stimulated by growth hormone. Defects in this protein are a cause of acid-labile subunit deficiency, which maifests itself in a delayed and slow puberty.

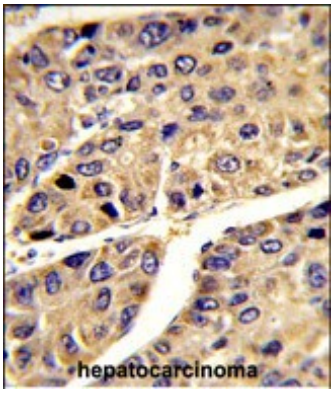
## References

Leong S.R., Baxter R.C.Mol. Endocrinol. 6:870-876(1992)
Suwanichkul A.Endocrinology 141:833-838(2000)
Liu T., Qian W.-J.J. Proteome Res. 4:2070-2080(2005)

## Images

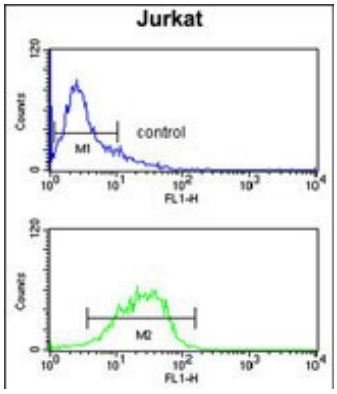



Western blot analysis of IGFALS Antibody (Center) (Cat.#AP7478c) in mouse spleen tissue, Jurkat cell line and mouse liver tissue lysates (35ug/lane). IGFALS (arrow) was detected using the purified Pab.




Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with IGFALS Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

IGFALS Antibody (Center) (Cat. #AP7478c) flow cytometry analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.




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