

#### **IGFALS Antibody (Center)**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP7478c

#### Specification

## **IGFALS Antibody (Center) - Product Information**

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

### **IGFALS Antibody (Center) - Additional Information**

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~~1:50~100 FC~~1:10~50

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.

#### **IGFALS Antibody (Center) - Protein Information**

Name IGFALS

Synonyms ALS



**Function** Involved in protein-protein interactions that result in protein complexes, receptor-ligand binding or cell adhesion.

**Cellular Location** Secreted, extracellular space.

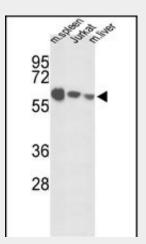
Tissue Location Plasma.

## **IGFALS Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

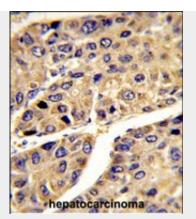
- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

# **IGFALS Antibody (Center) - Images**

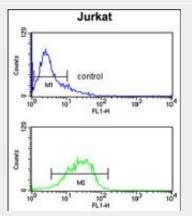


Western blot analysis of IGFALS Antibody (Center) (Cat.#AP7478c) in mouse spleen tissue, Jurkat cell line and mouse liver tissue lysates (35ug/lane). IGFALS (arrow) was detected using the purified Pab.





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.

## IGFALS Antibody (Center) - 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.

#### **IGFALS Antibody (Center) - 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)