

DATASHEET

ITIH3 Rabbit Polyclonal Antibody

CAT. NO. APA08988

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | ITIH3 | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat, Bovine, Rabbit | Clonality | Polyclonal |
| Applications | WB, IF/ICC | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at -20°C |

BACKGROUND

May act as a carrier of hyaluronan in serum or as a binding protein between hyaluronan and other matrix protein, including those on cell surfaces in tissues to regulate the localization, synthesis and degradation of hyaluronan which are essential to cells undergoing biological processes.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|--------|----------------|
| WB | 1:500 - 1:1000 |
| IF/ICC | 1:50 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|---|
| Description | Rabbit polyclonal antibody to ITIH3 |
| Specificity | Recognizes endogenous levels of ITIH3 protein. |
| Antibody Type | Primary antibody |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ITIH3. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 99 kD; Observed: 95 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | Inter-alpha-trypsin inhibitor heavy chain H3; ITI heavy chain H3; ITI-HC3; Inter-alpha-inhibitor heavy chain 3; Serum-derived hyaluronan-associated protein; SHAP |
| Gene Symbol | ITIH3 |
| Entrez Gene | 3699(Human); 16426(Mouse); 50693(Rat) |
| SwissProt | Q06033(Human); Q61704(Mouse); Q63416(Rat) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

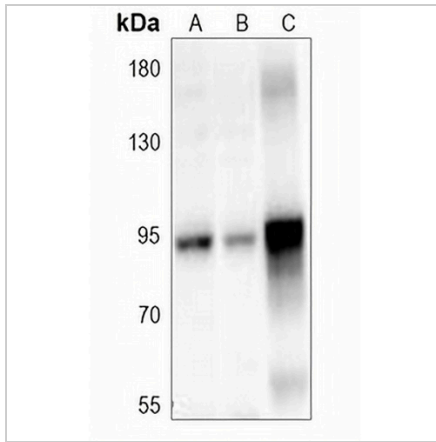
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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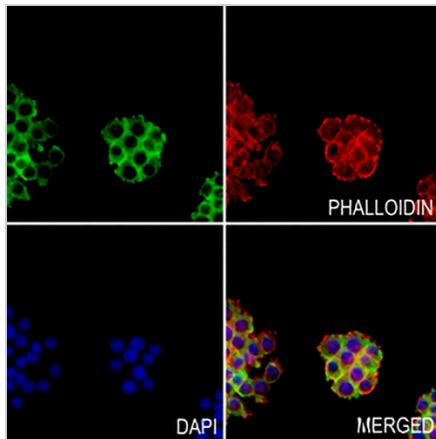
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DATA



Western blot analysis of ITIH3 expression in HepG2 (A), A549 (B), rat liver (C) whole cell lysates. (Predicted band size: 99 kD; Observed band size: 95 kD)



Immunofluorescent analysis of ITIH3 staining in MDAMB231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.