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# Anti-ITIHC4 70k Antibody

Catalog # AP60184

## Product Information

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|---|---|
| **Application** | WB, IHC, IF/IC |
| **Primary Accession** | Q14624 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 103357 |

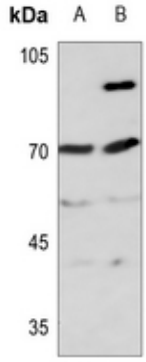
## Additional Information

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|---|---|
| **Gene ID** | 3700 |
| **Other Names** | IHCRP; ITIHCL1; PK120; Inter-alpha-trypsin inhibitor heavy chain H4; ITI heavy chain H4; ITI-HC4; Inter-alpha-inhibitor heavy chain 4; Inter-alpha-trypsin inhibitor family heavy chain-related protein; IHCRP; Plasma kallikrein sensitive glycoprotein 120; Gp120; PK-120 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ITIHC4 70k. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

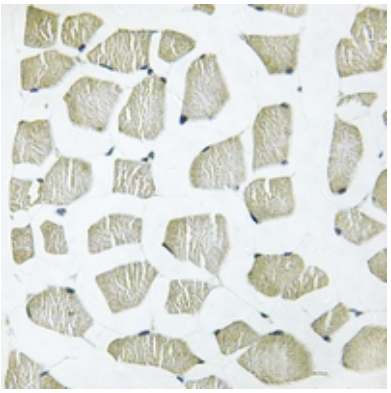
## Protein Information

| | |
|---|---|
| **Name** | ITIH4 |
| **Synonyms** | IHRP, ITIHL1, PK120 |
| **Function** | Type II acute-phase protein (APP) involved in inflammatory responses to trauma. May also play a role in liver development or regeneration. |
| **Cellular Location** | Secreted. |
| **Tissue Location** | Liver specific. |

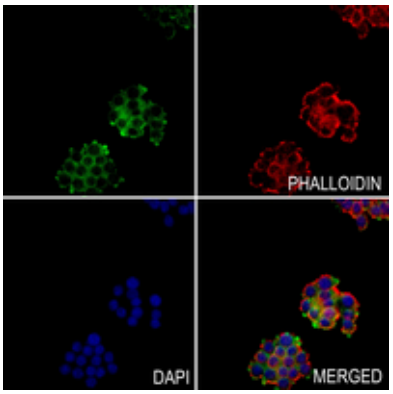
## Images




Western blot analysis of ITIHC4 70k expression in HEK293T (A), MCF7 (B) whole cell lysates. (Predicted band size: 103 kD; Observed band size: 103; 70 kD)



Immunohistochemical analysis of ITIH4 70k staining in human skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.




Immunofluorescent analysis of ITIH4 70k 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 hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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