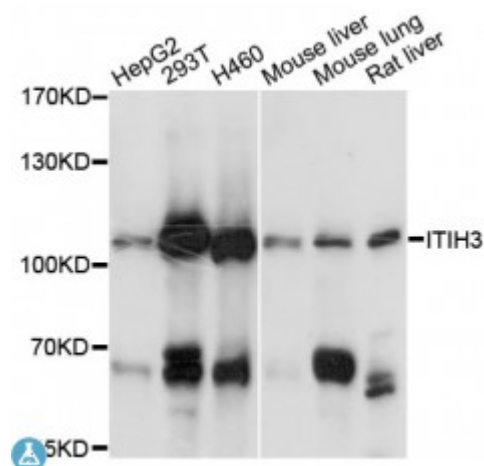


Anti-ITIH3 Antibody



Description

This gene encodes the heavy chain subunit of the pre-alpha-trypsin inhibitor complex. This complex may stabilize the extracellular matrix through its ability to bind hyaluronic acid. Polymorphisms of this gene may be associated with increased risk for schizophrenia and major depressive disorder. This gene is present in an inter-alpha-trypsin inhibitor family gene cluster on chromosome 3.

Model	STJ116359
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 35-180 of human ITIH3 (NP_002208.3).
Gene ID	3699
Gene Symbol	ITIH3
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	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
Molecular Weight	99.849 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6168 OMIM:146650 Reactome:R-HSA-114608
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
Function	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
Cellular Localization	Secreted
Post-translational Modifications	Heavy chains are linked to bikunin via chondroitin 4-sulfate esterified to the alpha-carboxyl of the C-terminal aspartate after propeptide cleavage

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