

Datasheet for ABIN968011
anti-HSPA4 antibody (AA 703-858)



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Overview

Quantity:	50 µg
Target:	HSPA4
Binding Specificity:	AA 703-858
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HSPA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Hamster Hsp110 aa. 703-858
Clone:	21-Hsp110
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus), Human, Mouse (Murine), Dog (Canine)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

Product Details

Purification: The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target: HSPA4

Alternative Name: Hsp110 ([HSPA4 Products](#))

Background: With the exception of Hsp110, the stress or heat shock proteins have been thoroughly characterized. Hsp110 has been reported to be expressed in most tissues. Like other stress proteins, Hsp110 is induced by heat shock and its induction is associated with thermotolerance. The sequence of Hsp110 reportedly bears similarity to several Hsp70-related proteins that have been termed Hsp110/SSE. The carboxy-terminal domains of these proteins and Hsp110 contain a putative peptide-binding site. These proteins also contain six highly conserved regions found in the same progression, as well as five conserved ATP-binding motifs. This antibody is routinely tested by western blot analysis.
Synonyms: Heat Shock Protein-110

Molecular Weight: 110 kDa

Application Details

Comment: Related Products: ABIN968545, ABIN967389

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 250 µg/mL

Buffer: Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

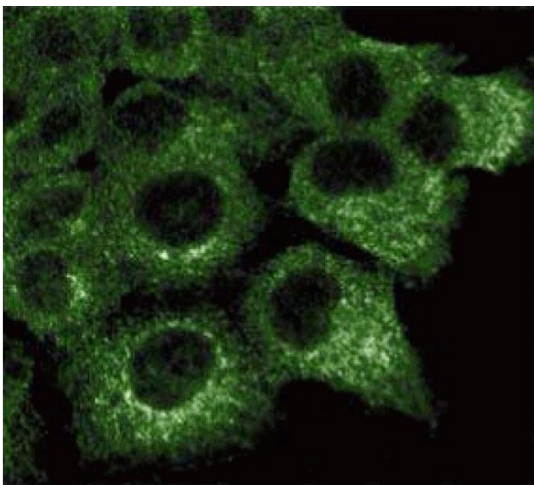
Storage Comment: Store undiluted at -20° C.

Publications

Product cited in: Moore, Scheinman, Bellgrau: "The identification of a novel T cell activation state controlled by a diabetogenic gene." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 166, Issue 1, pp. 241-8, (2001) ([PubMed](#)).

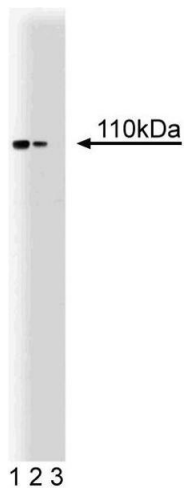
Lee-Yoon, Easton, Murawski, Burd, Subject: "Identification of a major subfamily of large hsp70-like proteins through the cloning of the mammalian 110-kDa heat shock protein." in: **The Journal of biological chemistry**, Vol. 270, Issue 26, pp. 15725-33, (1995) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Immunofluorescence staining of A431 cells (Human epithelial carcinoma, ATCC CRL-1555).



Western Blotting

Image 2. Western blot analysis of Hsp110 on a rat cerebrum lysate. Lane 1: 1:2500, lane 2: 1:5000, lane 3: 1:10,000 dilution of the mouse anti-Hsp110 antibody.