

Datasheet for ABIN532954
anti-HSP70 1A antibody[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	HSP70 1A (HSPA1A)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HSP70 1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against full length recombinant HSPA1A.
Immunogen:	Recombinant protein corresponding to full length human HSPA1A.
Clone:	4E11
Isotype:	IgG1
Cross-Reactivity:	Human

Target Details

Target:	HSP70 1A (HSPA1A)
Alternative Name:	HSPA1A (HSPA1A Products)
Gene ID:	3303

Target Details

NCBI Accession:	NM_005345
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

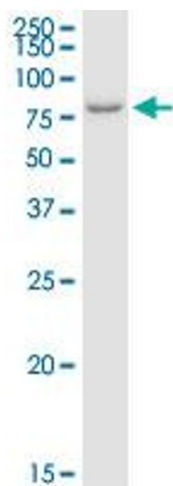
Application Notes:	ELISA Immunocytochemistry/Immunofluorescence Immunohistochemistry (1:100-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS, pH 7.4 (10 % glycerol, 0.02 % 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,-80 °C
Storage Comment:	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

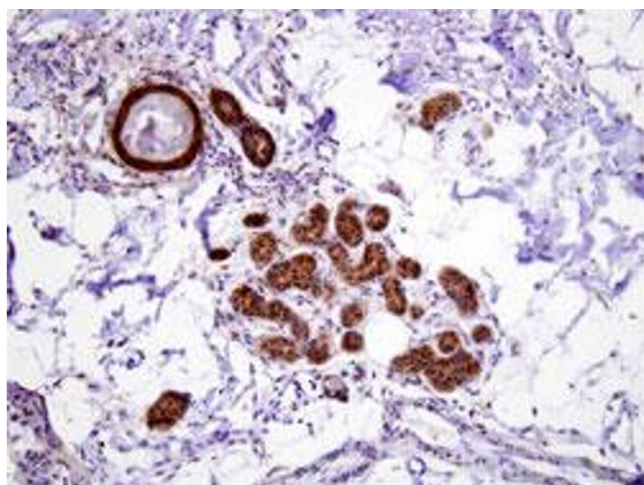
Publications

Product cited in:	Fujii, Suzuki, Ikeda, Hamada, Yamamoto, Kondo, Iwatsuki: "Proteomic study identified HSP 70 kDa protein 1A as a possible therapeutic target, in combination with histone deacetylase inhibitors, for lymphoid neoplasms." in: Journal of proteomics , Vol. 75, Issue 4, pp. 1401-10, (2012) (PubMed). Mosser, Caron, Bourget, Meriin, Sherman, Morimoto, Massie: "The chaperone function of hsp70 is required for protection against stress-induced apoptosis." in: Molecular and cellular biology , Vol. 20, Issue 19, pp. 7146-59, (2000) (PubMed).
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Western Blotting

Image 1. Western blot of JAR cell lysate (25 ug/lane) with HSPA1A monoclonal antibody, clone 4E7 .



Immunohistochemistry

Image 2. Paraffin embedded sections of human eccrine gland were incubated with HSPA1A monoclonal antibody , clone 4E7 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).