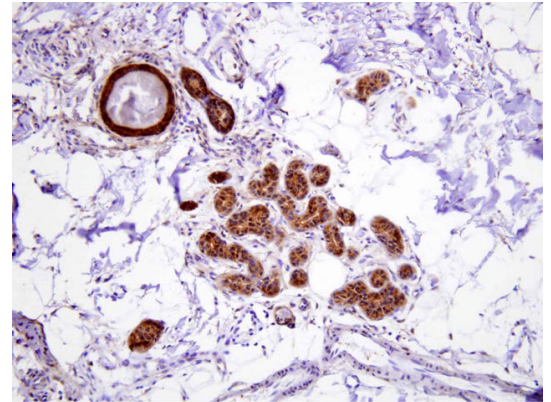


AM09017PU-N**Monoclonal Antibody to Heat shock protein 70 / HSP70 - Purified**

Alternate names:	HSP70-1/HSP70-2, HSP70.1, HSPA1, HSPA1A, HSPA1B, Heat shock 70 kDa protein 1A/1B
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
Background:	Hsp70 is a human heat shock protein. Hsp70 is an important part of the cell's machinery for protein folding, and help to protect cells from stress. In most species, there are many proteins that belong to the hsp70 family. Some of these are only expressed under stress conditions, while some are present in cells under normal growth conditions and are not heat-inducible. Hsp70 can be found in different cellular compartments (nuclear, cytosolic, mitochondrial, endoplasmic reticulum, etc...), and the chaperone function of hsp70 is required for protection against stress-induced apoptosis.
Uniprot ID:	P08107
NCBI:	NP_005336
GeneID:	3303
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	4E7
Immunogen:	Recombinant human Hsp70 (1-641 aa) purified from E. coli
Format:	State: Liquid purified Ig fraction Purification: Protein-G affinity chromatography Buffer System: PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
Applications:	ELISA. Western blot (1:1,000 - 1:2,000). Immunohistochemistry (1:100 - 1:200). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes human Hsp70. Other species not tested. Species: Human, Other species not tested.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

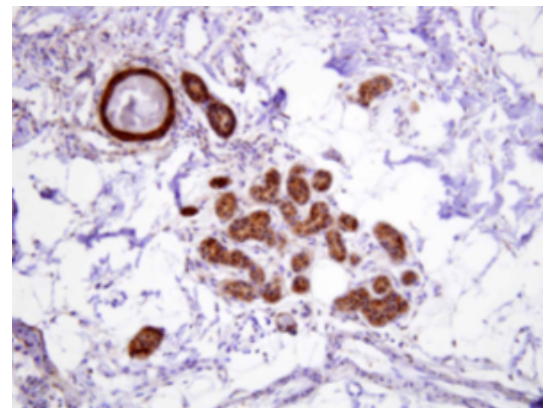
Pictures:

Paraffin embedded sections of human eccrine gland were incubated with anti-human Hsp70 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



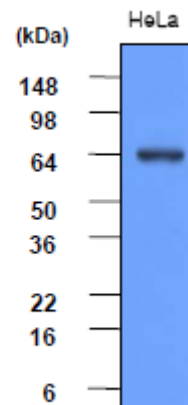
Human eccrine gland

Immunohistochemistry: Paraffin embedded sections of human eccrine gland were incubated with anti-human Hsp70 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1 M sodium citrate buffer and detected using Diaminobenzidine (DAB).



Human eccrine gland

Western blot analysis: HeLa cell lysate (30 µg) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Hsp70 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



HeLa cell lysate (30ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Hsp70 (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

