



Rabbit Anti-Human HSPA1A polyclonal antibody (CABT-L1773)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody may react with (Predicted by homology) : Bovine, Mouse, Rat
Target	HSPA1A
Immunogen	Synthetic peptide corresponding to aa 574-591 of human HSP70 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P, WB
Molecular Weight	70 kDa
Cellular Localization	Cytoplasm, Nucleus
Positive Control	Breast Carcinoma
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide
Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly

stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

BACKGROUND

Introduction

The HSP70 family is composed of four highly conserved proteins: HSP70, HSC70, GRP75 and GRP78. These proteins serve a variety of roles: they act as molecular chaperones facilitating the assembly of multi-protein complexes, they participate in the translocation of polypeptides across cell membranes and to the nucleus and they aid in the proper folding of nascent polypeptide chain. HSP70 expression is strongly induced in response to heat stress.

Keywords

HSPA1A;heat shock 70kD protein 1A;HSP72;Hspa1;Hspa1b;Hsp70-1;heat shock 70 kDa protein 1A/1B;HSP70.1/2;HSP70-1/HSP70-2;HSP70.1/HSP70.2;heat shock protein 70-1;heat shock 70 kDa protein 1/2

GENE INFORMATION

Entrez Gene ID

[3303](#)

UniProt ID

[P0DMV8](#)
