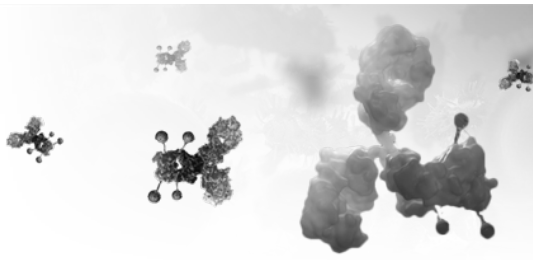

Rabbit Anti-Human Citrullinated Hsp70 (R155) polyclonal antibody (CABT-L4579)

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

PRODUCT INFORMATION

Product Overview	This Pab can be used for Western blot and ELISA applications.
Immunogen	Peptide from the internal region of Hsp70 containing a citrulline at residue 155
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Peptide affinity purified
Conjugate	Unconjugated
Applications	ELISA, WB
Format	Liquid
Concentration	Lot specific
Size	500 µl
Buffer	PBS, pH 7.2, 50% glycerol with 0.02% sodium azide
Preservative	0.02% sodium azide
Storage	At -20°C
Ship	Wet ice

BACKGROUND

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Introduction	Heat shock protein 70s (Hsp70s) are abundant and stress-inducible 70 kDa molecular chaperone proteins encoded by a highly conserved, multigene family. They are monomeric proteins that can be divided into two functional domains: an N-terminal ATPase domain and a substrate binding domain that contains a highly conserved EEVD motif at its C-terminus. Hsp70s are found in the cytosol, nuclei, endoplasmic reticulum, mitochondria, and chloroplasts of eukaryotes, as well as in bacteria. They function as molecular chaperones that assist in a wide range of cellular processes, including refolding of aggregated or misfolded proteins, co- and post-translational folding and assembly of nascent peptides, membrane translocation of secretory and organellar proteins, controlling activity of regulatory nuclear receptors, kinases and transcription factors, as well as cooperativity with the Hsp90 chaperone system in eukaryotes.
Keywords	Heat Shock Protein 70;HspA1A

GENE INFORMATION

UniProt ID	P0DMV8

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