



Anti-HSPA8 (internal region) polyclonal antibody (CPBT-67463GH)

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

PRODUCT INFORMATION

Product Overview

Goat anti Human Hsc70 antibody recognizes human Heat shock cognate 71 kDa protein, also known as Heat shock 70 kDa protein 8 or Lipopolysaccharide-associated protein 1. Hsc70 is a 646 amino acid ubiquitously expressed cytoplasmic heat-shock cognate protein and member of the heat shock protein 70 family, encoded for by the HSPA8 gene. Goat anti Human Hsc70 antibody recognizes epitopes in the region between amino acids 555 and 570 of Hsc70 isoform 1, missing in isoform 2. Heat shock proteins are a group of constitutively expressed or heat/stress-inducible proteins which act as molecular chaperones and play an essential role in protein folding/unfolding and transport of proteins across membranes. Hsc70 facilitates the correct folding of newly- synthesized polypeptides and also participates in the ATPase disassociation of clathrin-coated vesicles during endocytosis, in conjunction with the co-chaperone auxilin. Western Blotting This product detects a band of approximately 75kDa in A431 cell lysates.

Specificity	HSPA8
Immunogen	Peptide sequence C-EKLQGKINDEKQK corresponding to the internal region of Hsc70
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human, Dog, Mouse, Rat
Conjugate	Unconjugated
Applications	ELISA; WB
Format	Purified IgG - liquid
Size	100 µg

Preservative	0.02% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	HSPA8 heat shock 70kDa protein 8 [Homo sapiens (human)]
Official Symbol	HSPA8
Synonyms	HSPA8; heat shock 70kDa protein 8; LAP1; HSC54; HSC70; HSC71; HSP71; HSP73; LAP-1; NIP71; HEL-33; HSPA10; HEL-S-72p; heat shock cognate 71 kDa protein; LPS-associated protein 1; heat shock 70kd protein 10; epididymis luminal protein 33; heat shock cognate
Entrez Gene ID	3312
Protein Refseq	NP_006588
UniProt ID	P11142
Chromosome Location	11q24.1
Pathway	AUF1 (hnRNP D0) destabilizes mRNA; Antigen processing and presentation; Attenuation phase; Axon guidance; C-MYB transcription factor network; CHL1 interactions; Cellular response to heat stress; Cellular responses to stress;
Function	ATP binding; ATPase activity; ATPase activity, coupled; G-protein coupled receptor binding; MHC class II protein complex binding; enzyme binding; heat shock protein binding; poly(A) RNA binding; protein binding; ubiquitin protein ligase binding; unfolded protein binding;