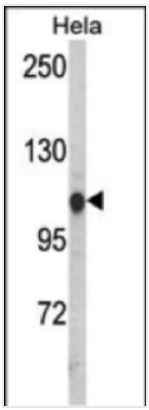
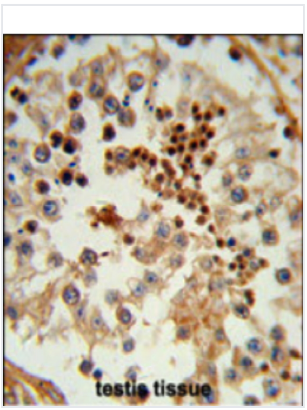
HSPA4L Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

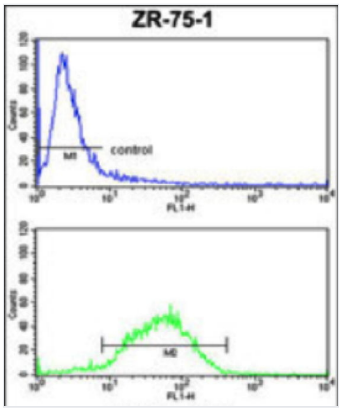
Product Name	HSPA4L, Polyclonal Antibody
Full Product Name	HSPA4L, CT (Heat shock 70-related protein APG-1, Osmotic stress protein 94, Heat shock 70kD protein 4L, HSPA4L, APG1, OSP94) (APC)
Product Gene Name	anti-HSPA4L antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human HSPA4L.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	94,512 Da
3D Structure	ModBase 3D Structure for O95757
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 776-803 of the C-terminal region of human HSPA4L Accession NP_055093.2, O95757.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-HSPA4L antibody	Antibodies; Heat Shock Proteins
Applications Tested/Suitable for anti-HSPA4L antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-HSPA4L antibody	FC/FACS: 1:10-1:50. FLISA: 1:1,000 IHC: 1:50-1:100 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-HSPA4L antibody	MBS6479675 is an antibody targeting HSPA4L. Also known as HSPA4L, CT (Heat shock 70-related protein APG-1, Osmotic stress protein 94, Heat shock 70kD protein 4L, HSPA4L, APG1, OSP94) (APC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-HSPA4L antibody	1. Nonoguchi, K., et.al., Int. J. Urol. 8(6), 308-314 (2001).
Other Notes	Small volumes of anti-HSPA4L antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-HSPA4L antibody
Western blot analysis of HSPA4L Antibody (C-term) in Hela cell line lysates (35ug/lane). HSPA4L (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-HSPA4L antibody
Formalin-fixed and paraffin-embedded human testis tissue reacted with MBS629968 which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Flow Cytometry (FC/FACS) of anti-HSPA4L antibody
HSPA4L Antibody (C-term) FC analysis of ZR-75-1 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSPA4L. It may not necessarily be applicable to this product.

NCBI GI #	31541941
NCBI GeneID	22824
NCBI Accession #	NP_055093.2
UniProt Primary Accession #	O95757
UniProt Secondary Accession #	Q4W5M5; Q8IWA2; A2ICT2
UniProt Related Accession #	O95757
GenBank Nucleotide #	NM_014278.3
NCBI Official Full Name	heat shock 70 kDa protein 4L isoform 1
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 4 like
NCBI Official Symbol	HSPA4L
NCBI Official Synonym Symbols	APG-1; HSPH3; Osp94
UniProt Protein Name	Heat shock 70 kDa protein 4L
UniProt Synonym Protein Names	Heat shock 70-related protein APG-1; Osmotic stress protein 94
Protein Family	Heat shock 70 kDa protein

UniProt Gene Name	HSPA4L
UniProt Synonym Gene Names	APG1; OSP94
NCBI Protein Information	heat shock 70 kDa protein 4L
NCBI Summary for HSPA4L	The protein encoded by this gene is heat shock inducible and may act as a chaperone. The encoded protein can protect the heat-shocked cell against the harmful effects of aggregated proteins. This gene is highly expressed in leukemia cells and may be a good target for therapeutic intervention. Several transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]
UniProt Comments for HSPA4L	Possesses chaperone activity in vitro where it inhibits aggregation of citrate synthase.
Research Articles on HSPA4L	**1.** Findings indicate that miR-497 is a potent tumor suppressor that inhibits cancer phenotypes by targeting ANLN and HSPA4L in NPC.
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