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Product datasheet for TA366441S

DNAJA4 Rabbit Polyclonal Antibody

Product data:

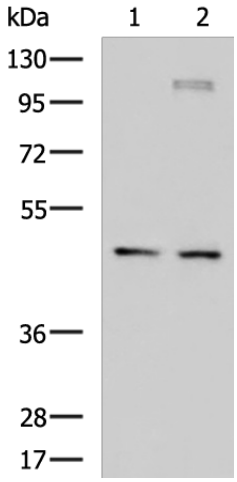
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Jurkat and TM4 cell lysates IHC: 50-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human DNAJA4
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	45 kDa
Gene Name:	DnaJ heat shock protein family (Hsp40) member A4
Database Link:	Entrez Gene 55466 Human Q8WW22

View online »

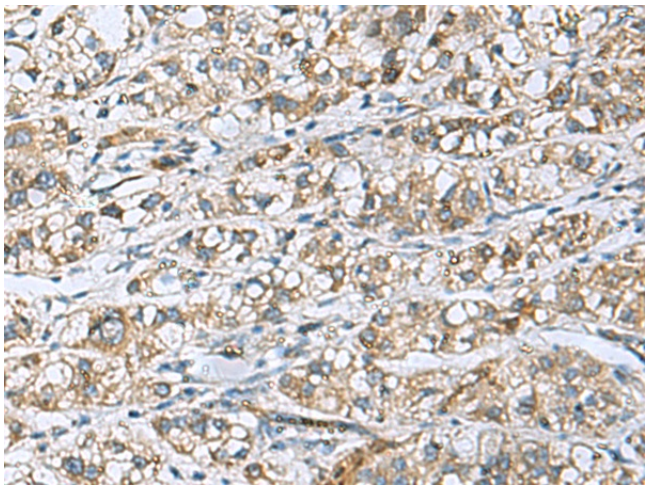
Background: The DnaJ family is one of the largest of all the chaperone families and has evolved with diverse cellular localization and functions. The presence of the J domain defines a protein as a member of the DnaJ family. DnaJ heat shock induced proteins are from the bacterium Escherichia coli and are under the control of the htpR regulatory protein. The DnaJ proteins play a critical role in the HSP 70 chaperone machine by interacting with HSP 70 to stimulate ATP hydrolysis. The proteins contain cysteine rich regions that are composed of zinc fingers that form a peptide binding domain responsible for the chaperone function. DnaJ proteins are important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis. DnaJA4 (DnaJ homolog subfamily A member 4) is a SREBP-regulated chaperone that is thought to regulate the cholesterol biosynthesis pathway.

Synonyms: MST104; MSTP104; PRO1472

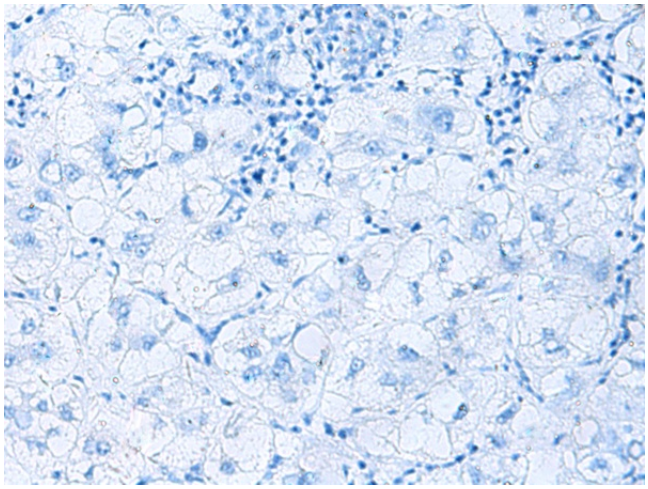
Product images:



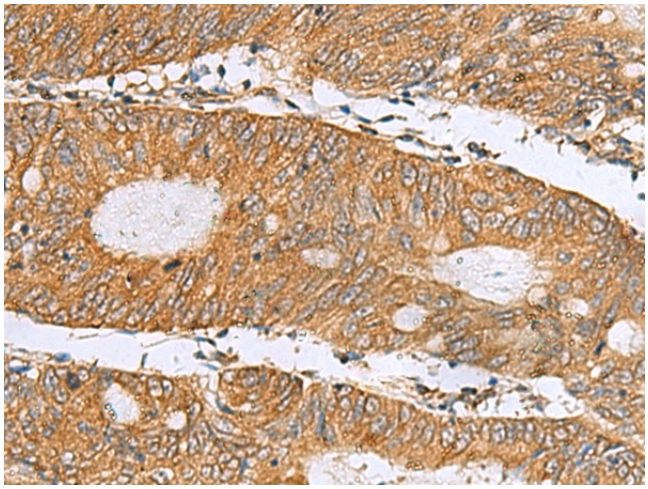
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Jurkat and TM4 cell lysates
Primary antibody: [TA366441] (DNAJA4 Antibody) at dilution 1/650
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 20 seconds



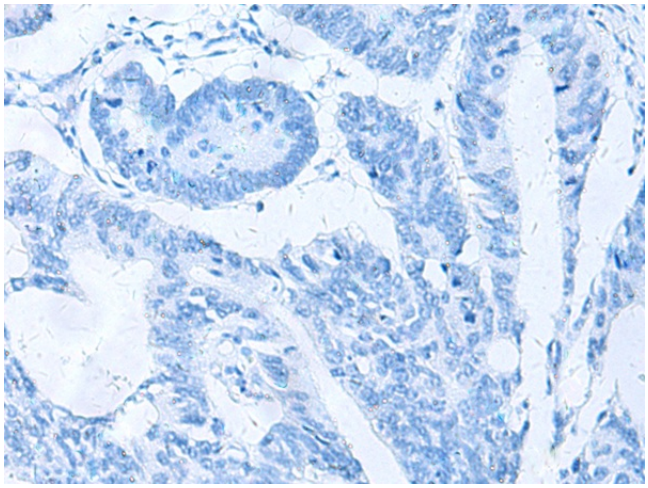
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA366441] (DNAJA4 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA366441] (DNAJA4 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA366441] (DNAJA4 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA366441] (DNAJA4 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: ×200)