

## Product datasheet for **TA350017S**

### DNAJC15 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	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 DNAJC15
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Dnaj heat shock protein family (Hsp40) member C15
Database Link:	<a href="#">NP_037370</a> <a href="#">Entrez Gene 29103 Human</a> <a href="#">Q9Y5T4</a>



[View online »](#)

**Background:**

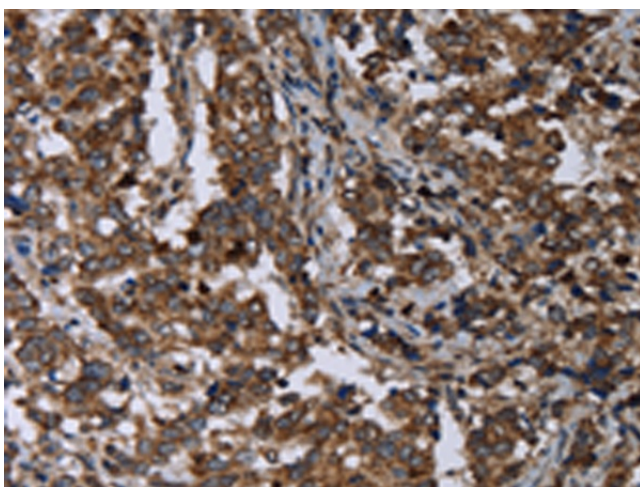
The Dnaj family is one of the largest of all the chaperone families and has evolved with diverse cellular localization and functions. The presence of a J domain defines a protein as a member of the Dnaj family. Dnaj heat shock induced proteins are from the bacterium *Escherichia coli* and are under the 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. Dnaj proteins are important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis. MCJ (methylation-controlled J protein), also known as HSD18, DNAJD1 or DNAJC15, is a 150 amino acid ubiquitously expressed single-pass membrane protein containing one J domain. Localizing to the golgi apparatus and only present in vertebrates, MCJ may be associated with increased chemotherapeutic resistance in ovarian cancer by inducing expression of the Mdr drug transporter and preventing intracellular drug accumulation.

**Synonyms:**

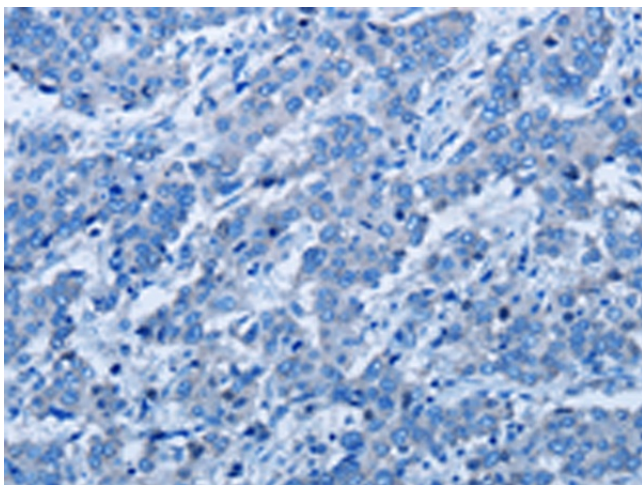
DNAJD1; HSD18; MCJ

**Protein Families:**

Transmembrane

**Product images:**

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA350017] (DNAJC15 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA350017] (DNAJC15 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )