

## Product datasheet for **TA351269**

### Cpn10 (HSPE1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1000-2000, WB: 200-1000, IHC: 50-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HSPE1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	11 kDa
Gene Name:	heat shock protein family E (Hsp10) member 1
Database Link:	<a href="#">NP_002148</a> <a href="#">Entrez Gene 15528</a> <a href="#">MouseEntrez Gene 25462</a> <a href="#">RatEntrez Gene 3336</a> <a href="#">Human P61604</a>
Background:	This gene encodes a major heat shock protein which functions as a chaperonin. Its structure consists of a heptameric ring which binds to another heat shock protein in order to form a symmetric, functional heterodimer which enhances protein folding in an ATP-dependent manner. This gene and its co-chaperonin, HSPD1, are arranged in a head-to-head orientation on chromosome 2. Naturally occurring read-through transcription occurs between this locus and the neighboring locus MOBKL3.
Synonyms:	CPN10; EPF; GROES; HSP10
Protein Families:	Druggable Genome, Stem cell - Pluripotency

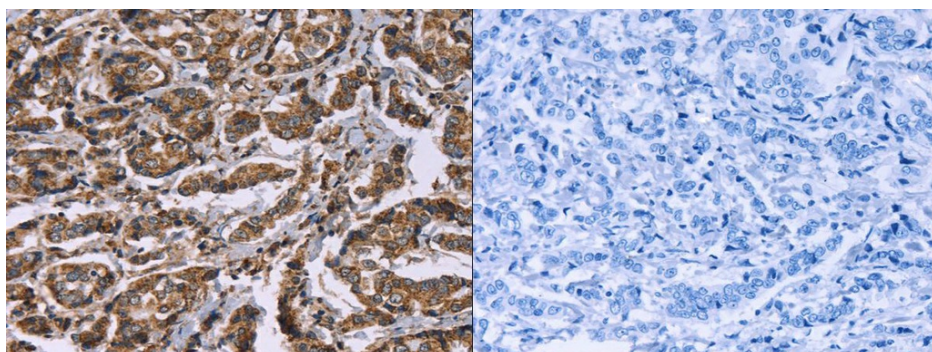


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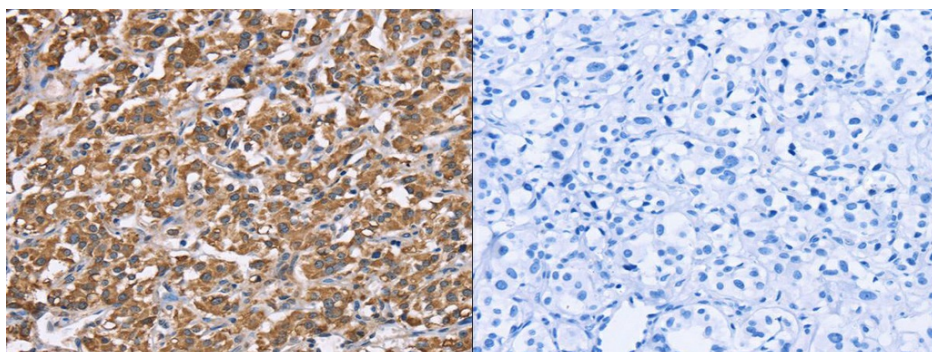
Product images:



Gel: 10%SDS-PAGE, Lysate: 40 ug, Lane: HepG2 cells, Primary antibody: (HSPE1 Antibody) at dilution 1/750, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 minutes



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using (HSPE1 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using (HSPE1 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )