

Anti-HSPA2 antibody

Cat. No.	ml225129
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-HSPA2 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human HSPA2
Reactivity	Human, Mouse, Rat
Content	0.54 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	HSPA2
Full name	heat shock protein family A (Hsp70) member 2

Synonyms HSP70-2; HSP70-3

Swissprot P54652

Target Background

In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. Plays a role in spermatogenesis. In association with SHCBP1L may participate in the maintenance of spindle integrity during meiosis in male germ cells.

Applications

Immunohistochemistry

Predicted cell location: Cytoplasm and Nucleus

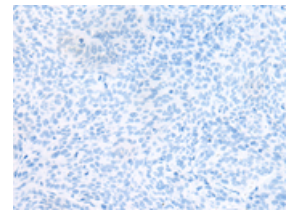
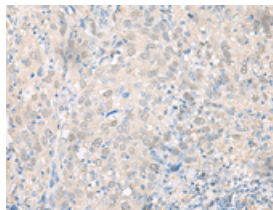
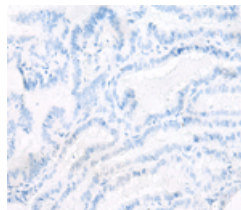
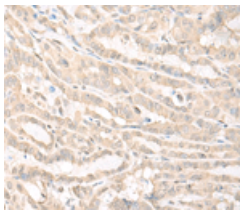
Predicted cell location: Cytoplasm and Nucleus

Positive control: Human thyroid cancer

Positive control: Human cervical cancer

Recommended dilution: 30-150

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The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml225129(HSPA2 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml225129(HSPA2 Antibody) at dilution 1/20, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size: 70 kDa

Positive control: 231 cell, Hela cell, Jurkat cell, A549 cell, NIH/3T3 cell, Human cerebrum tissue, Mouse brain tissue lysates

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

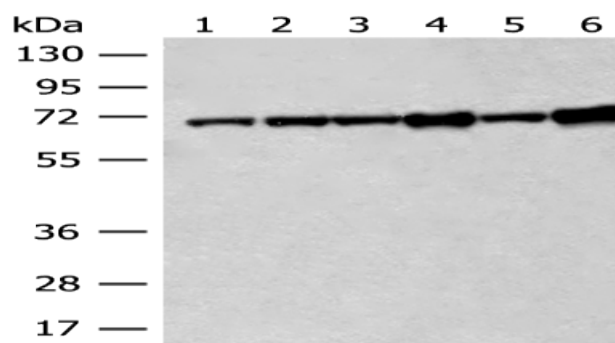
Lysate: 40 µg

Lane 1-7: 231 cell, Hela cell, Jurkat cell, A549 cell, NIH/3T3 cell,
Human cerebrum tissue, Mouse brain tissue lysates

Primary antibody: ml225129(HSPA2 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



ELISA

Recommended dilution: 5000-10000

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