ARG59683
anti-HSPA2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HSPA2
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Hm
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HSPA2
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 564-598 of Human HSPA2. (KISEQDKNKILDKCQEVINWLDRNQMAEKDEYEHK)
Conjugation	Un-conjugated
Alternate Names	Heat shock 70 kDa protein 2; Heat shock-related 70 kDa protein 2; HSP70-2; HSP70-3

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
ICC/IF	1:200 - 1:1000
IHC-P	0.5 - 1 µg/ml
WB	0.1 - 0.5 µg/ml

Application Note: IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

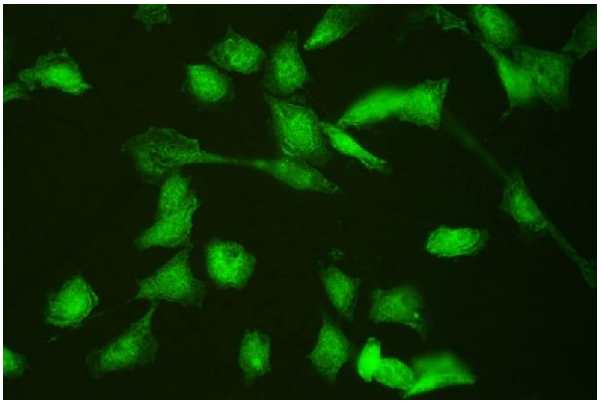
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

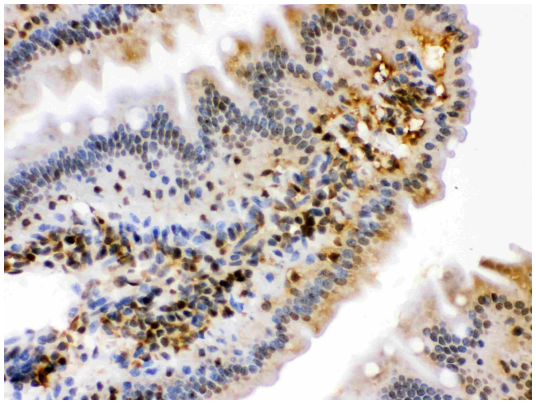
Gene Symbol	HSPA2
Gene Full Name	heat shock 70kDa protein 2
Function	In cooperation with other chaperones, Hsp70s stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all 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. [UniProt]
Calculated Mw	70 kDa
Cellular Localization	Cytoplasm, cytoskeleton, spindle. Note=Colocalizes with SHCBP1L at spindle during the meiosis process. [UniProt]

Images



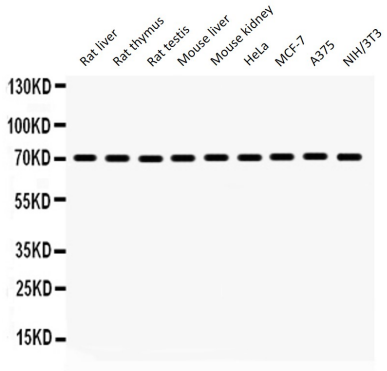
ARG59683 anti-HSPA2 antibody ICC/IF image

Immunofluorescence: PC-3 cells were blocked with 10% goat serum and then stained with ARG59683 anti-HSPA2 antibody (green) at 2 µg/ml dilution, overnight at 4°C.



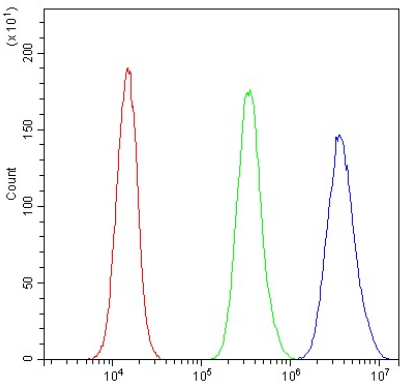
ARG59683 anti-HSPA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine stained with ARG59683 anti-HSPA2 antibody.



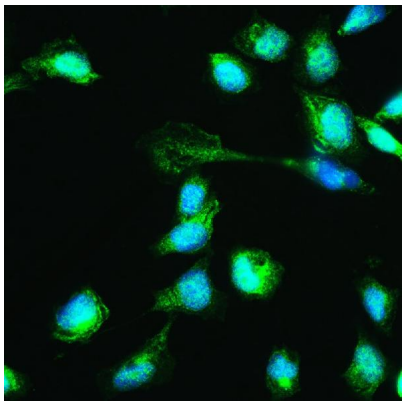
ARG59683 anti-HSPA2 antibody WB image

Western blot: 50 µg of Rat liver, 50 µg of Rat thymus, 50 µg of Rat testis, 50 µg of Mouse liver, 50 µg of Mouse kidney, 40 µg of HeLa, 40 µg of MCF-7, 40 µg of A375 and 40 µg of NIH/3T3 whole cell lysates stained with ARG59683 anti-HSPA2 antibody at 0.5 µg/ml dilution.



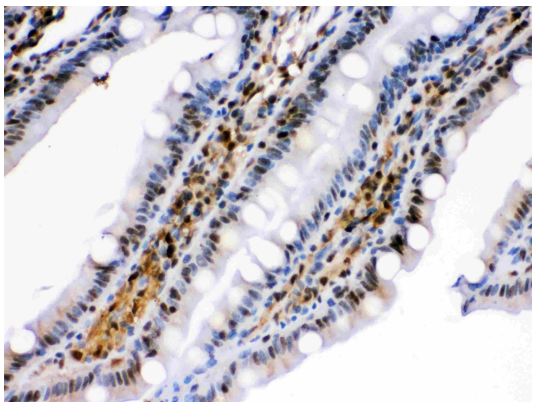
ARG59683 anti-HSPA2 antibody FACS image

Flow Cytometry: PC-3 cells were blocked with 10% normal goat serum and then stained with ARG59683 anti-HSPA2 antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



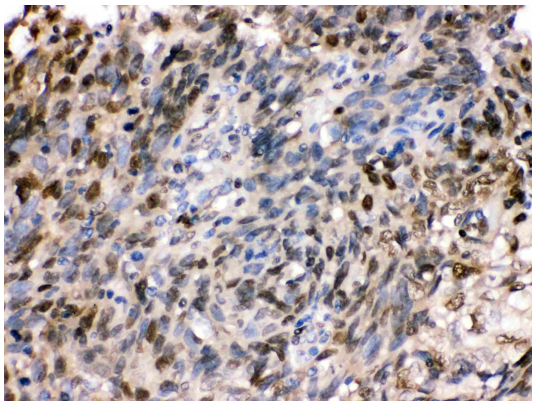
ARG59683 anti-HSPA2 antibody ICC/IF image

Immunofluorescence: PC-3 cells were blocked with 10% goat serum and then stained with ARG59683 anti-HSPA2 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



ARG59683 anti-HSPA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestine stained with ARG59683 anti-HSPA2 antibody.



ARG59683 anti-HSPA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer stained with ARG59683 anti-HSPA2 antibody.