

## ARG55138 anti-BiP / GRP78 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes BiP / GRP78
Tested Reactivity	Hu, Ms
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BiP / GRP78
Species	Human
Immunogen	Recombinant protein encoding full length Human BiP.
Conjugation	Un-conjugated
Alternate Names	Heat shock 70 kDa protein 5; BiP; GRP-78; Endoplasmic reticulum luminal Ca; MIF2; 78 kDa glucose-regulated protein; GRP78; Immunoglobulin heavy chain-binding protein; HEL-S-89n; BIP; 2+

### Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	ICC/IF	1:10 - 1:50
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

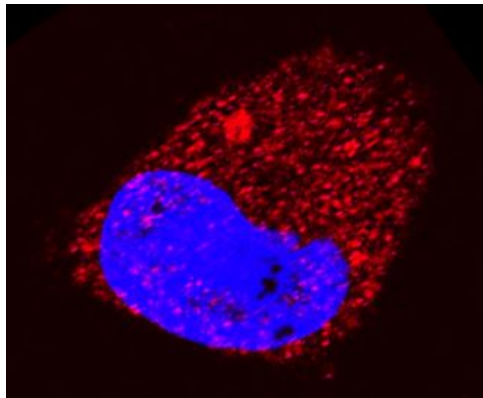
### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
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

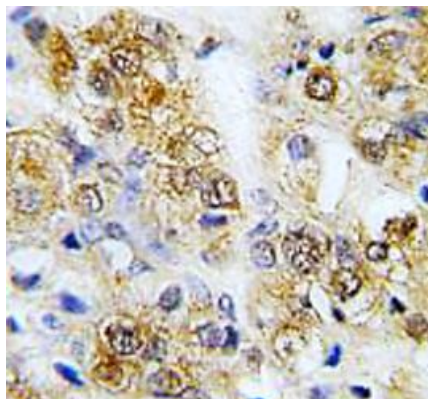
Database links	<a href="#">GeneID: 14828 Mouse</a>
	<a href="#">GeneID: 3309 Human</a>
	<a href="#">Swiss-port # P11021 Human</a>
	<a href="#">Swiss-port # P20029 Mouse</a>
Gene Symbol	HSPA5
Gene Full Name	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
Background	The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly of proteins in the ER. As this protein interacts with many ER proteins, it may play a key role in monitoring protein transport through the cell.[provided by RefSeq, Sep 2010]
Function	Probably plays a role in facilitating the assembly of multimeric protein complexes inside the endoplasmic reticulum. Involved in the correct folding of proteins and degradation of misfolded proteins via its interaction with DNAJC10, probably to facilitate the release of DNAJC10 from its substrate. [UniProt]
Research Area	Controls and Markers antibody; ER Marker antibody; Endoplasmic reticulum antibody
Calculated Mw	72 kDa
Cellular Localization	Endoplasmic reticulum lumen. Melanosome. Cytoplasm. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

## Images



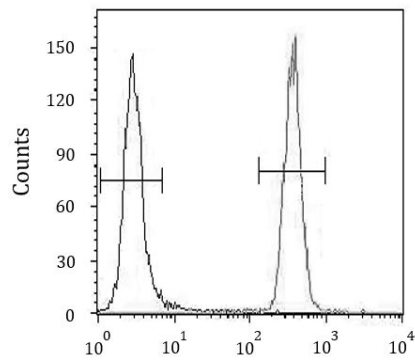
ARG55138 anti-BiP / GRP78 antibody ICC/IF image

Immunofluorescence: NCI-H460 cells stained with ARG55138 anti-BiP / GRP78 antibody (red). DAPI (blue) for nuclear staining.



ARG55138 anti-BiP / GRP78 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human prostata carcinoma tissue stained with ARG55138 anti-BiP / GRP78 antibody.



#### ARG55138 anti-BiP / GRP78 antibody FACS image

Flow Cytometry: HeLa cells stained with ARG55138 anti-BiP / GRP78 antibody (right histogram) or without primary antibody control (left histogram), followed by incubation with FITC labelled secondary antibody.