

ARG54027 anti-BiP / GRP78 antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes BiP / GRP78
Tested Reactivity	Hu, Rat
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG
Target Name	BiP / GRP78
Species	Human
Immunogen	Purified recombinant human BiP/GRP78 protein fragments expressed in E.coli.
Conjugation	Un-conjugated
Alternate Names	Heat shock 70 kDa protein 5; BiP; GRP-78; Endoplasmic reticulum lumenal Ca; MIF2; 78 kDa glucose-regulated protein; GRP78; Immunoglobulin heavy chain-binding protein; HEL-S-89n; BiP; 2+

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50
	WB	1:1000
Application Note	IHC-P: Antigen Retrieval: Pressure cooking in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

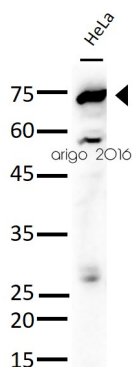
Properties

Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	0.8 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. 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

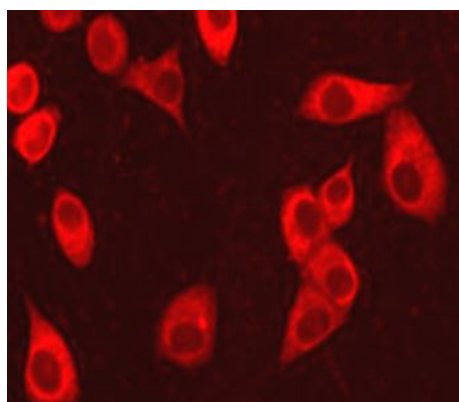
Database links	GeneID: 25617 Rat
	GeneID: 3309 Human
	Swiss-port # P06761 Rat
	Swiss-port # P11021 Human
Gene Symbol	HSPA5
Gene Full Name	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
Background	Probably plays a role in facilitating the assembly of multimeric protein complexes inside the ER
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

Images



ARG54027 anti-BiP / GRP78 antibody WB image

Western blot: 30 µg of HeLa cell lysate stained with ARG54027 anti-BiP / GRP78 antibody at 1:1000 dilution.



ARG54027 anti-BiP / GRP78 antibody ICC/IF image

Immunofluorescence: HeLa cells fixed with 4% Paraformaldehyde and stained with ARG54027 anti-BiP / GRP78 antibody at 1:50 dilution.