

ARG57717 anti-BiP / GRP78 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes BiP / GRP78
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IP, WB
Specificity	This antibody detects endogenous levels of BiP / GRP78 and does not cross-react with related proteins.
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Target Name	BiP / GRP78
Species	Human
Immunogen	Purified recombinant Human BiP / GRP78 protein expressed in E. coli.
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
	ICC/IF	1:200
	IP	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.	
Positive Control	HeLa	
Observed Size	~ 72 kDa	

Properties

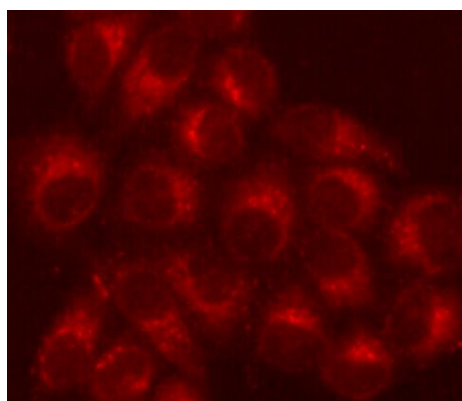
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.03% Proclin300 and 50% Glycerol.
Preservative	0.03% Proclin300
Stabilizer	50% Glycerol
Concentration	4.4 mg/ml

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

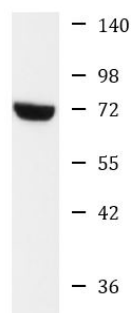
Gene Symbol	HSPA5
Gene Full Name	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
Background	The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly 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

Images



ARG57717 anti-BiP / GRP78 antibody ICC/IF image

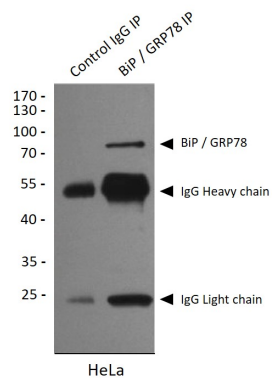
Immunofluorescence: HeLa cells fixed by anhydrous methanol and stained with ARG57717 anti-BiP / GRP78 antibody at 1:200 dilution.



HeLa

ARG57717 anti-BiP / GRP78 antibody WB image

Western blot: HeLa cell lysate stained with ARG57717 anti-BiP / GRP78 antibody at 1:1000 dilution.



ARG57717 anti-BiP / GRP78 antibody IP image

Immunoprecipitation: HeLa cell extracts immunoprecipitated and stained with ARG57717 anti-BiP / GRP78 antibody.