

ARG40549 anti-BiP / GRP78 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BiP / GRP78
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BiP / GRP78
Species	Human
Immunogen	Synthetic peptide within aa. 550-650 of Human BiP / GRP78 (NP_005338.1).
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
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HT-1080	
Observed Size	78 kDa	

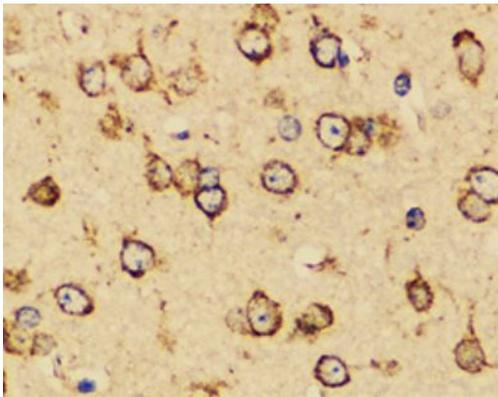
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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

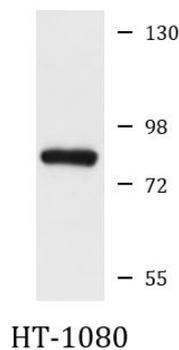
Gene Symbol	HSPA5
Gene Full Name	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
Background	The protein encoded by this gene is a member of the heat shock protein 70 (HSP70) family. It is localized in the lumen of the endoplasmic reticulum (ER), and is involved in the folding and assembly 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
Cellular Localization	Endoplasmic reticulum lumen. Melanosome. Cytoplasm. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. [UniProt]

Images



ARG40549 anti-BiP / GRP78 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain stained with ARG40549 anti-BiP / GRP78 antibody at 1:100 dilution.



ARG40549 anti-BiP / GRP78 antibody WB image

Western blot: 25 µg of HT-1080 cell lysate stained with ARG40549 anti-BiP / GRP78 antibody at 1:1000 dilution.