

GRP78 BiP (9E4) Mouse mAb

db6047

Package : 50µL 100µL

Product Name : GRP78 BiP (9E4) Mouse mAb**Cat.No.:** db6047**Synonyms** : HSPA5; GRP78; 78 kDa glucose-regulated protein; GRP-78; Endoplasmic reticulum luminal Ca(2+)-binding protein grp78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding protein; BiP**Application** : WB, ICC/IF, IHC-Fr, IHC-P**Reactivity** : Human, Rat**Host species** : Mouse**Background**

When Chinese hamster K12 cells are starved of glucose, the synthesis of several proteins, called glucose-regulated proteins (GRPs), is markedly increased. Hendershot et al. (1994) (PubMed 8020977) pointed out that one of these, GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER).

Immunogen

Purified recombinant human BiP/GRP78 (C-terminus) protein fragments expressed in E.coli

Gene ID

3309

Swiss Prot

P11021

Synonyms

HSPA5; GRP78; 78 kDa glucose-regulated protein; GRP-78; Endoplasmic reticulum luminal Ca(2+)-binding protein grp78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding protein; BiP

Reactivity

Human, Rat

Application

WB, ICC/IF, IHC-Fr, IHC-P

Recommended dilution

WB: 1:500-1:1000
IHC: 1:50-1:100
ICC/IF: 1:50-1:200

Calculated MW

72 kDa

Observed MW

78 kDa

Host species

Mouse

Clonality

Monoclonal

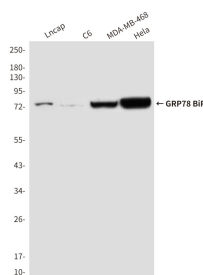
Clonality No.

9E4-2A7-H6

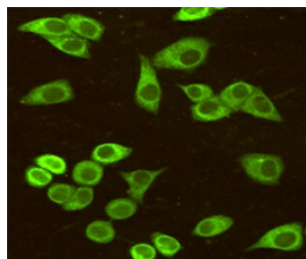
Isotype

IgG1

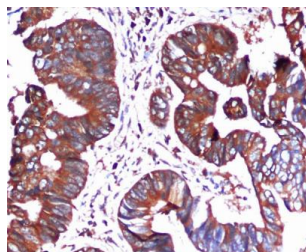
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Western blot analysis of BiP/GRP78 (Cterminus) in HeLa, C6, Lncap and MDA-MB-468 lysates using BiP/GRP78 (Cterminus) antibody.



Immunocytochemistry analysis of GRP78 BiP (9E4) in HeLa using BiP/GRP78 (Cterminus) antibody.



Immunohistochemistry analysis of paraffin-embedded Colorectal cancer using BiP/GRP78 (Cterminus) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.