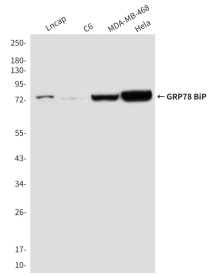
GRP78 BiP (9E4) Mouse mAb

db6047 **Package : 50μL 100μL**

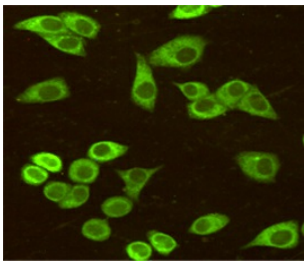
Product Name : GRP78 BiP (9E4) Mouse mAb
Cat.No.: db6047
Synonyms : HSPA5; GRP78; 78 kDa glucose-regulated protein; GRP-78; Endoplasmic reticulum lumenal Ca(2+)-binding protein grp78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding protein; BiP
Application : WB, ICC/IF, IHC-Fr, IHC-P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

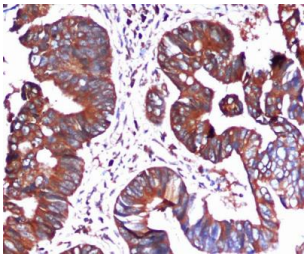
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



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.