

GRP78 BIP (4F11) MOUSE MAB

Cat.#: N261400

Product Name: Anti-GRP78 BiP (4F11) Mouse Monoclonal Antibody

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

UNIPROT ID: P11021

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 protein expressed in E.coli.

Applications: WB, ICC/IF, IP

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 4F11-D5-C10

MW: Calculated MW: 72 kDa; Observed MW: 78 kDa

Isotype: IgG2b

Purification: Affinity Purified

Species Reactivity: Human, Mouse, Rat

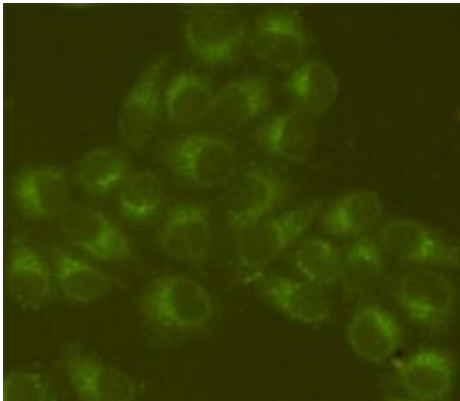
Conjugation: Unconjugated

Modification: Unmodified

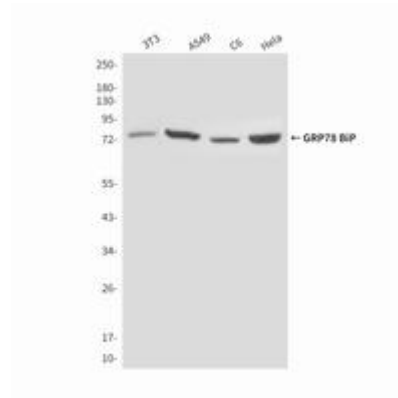
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Neuroscience, Prion disease

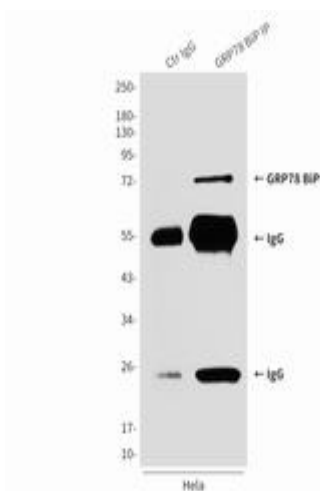
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunofluorescence analysis of GRP78 BiP (4F11) in HeLa using BiP/GRP78 antibody.



Western blot analysis of GRP78 BiP (4F11) in 3T3, A549, C6 and HeLa lysates using BiP/GRP78 antibody.



Immunoprecipitation analysis of GRP78 BiP (4F11) in HeLa lysates using BiP/GRP78 antibody. Western blot analysis of BiP/GRP78 using BiP/GRP78 antibody.