

Product datasheet for **TA328008**

GRP78 (HSPA5) Rat Monoclonal Antibody [Clone ID: 76-E6]

Product data:

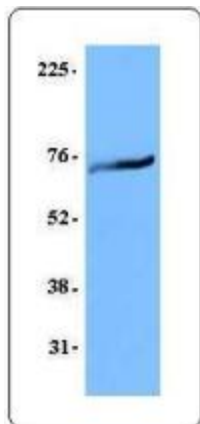
Product Type:	Primary Antibodies
Clone Name:	76-E6
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Mouse, Human
Host:	Rat
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	Mouse BiP:u chain complexes
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	lot specific
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78 KD
Gene Name:	heat shock protein family A (Hsp70) member 5
Database Link:	NP_005338 Entrez Gene 14828 Mouse Entrez Gene 3309 Human P11021
Background:	Originally identified as an immunoglobulin heavy chain-binding protein in pre-B cells, BiP was found to be involved in stress responses and also as a molecular chaperone in intracellular protein transport, prevention of protein toxicity and direction of protein folding and assembly in the endoplasmic reticulum. Because so many ER proteins interact transiently with BiP, it may play a key role in monitoring protein transport through the cell.
Synonyms:	BIP; GRP78; HEL-S-89n; MIF2
Protein Families:	Druggable Genome



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Protein Pathways: Antigen processing and presentation, Prion diseases

Product images:



HeLa cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-mouse BiP antibody. Proteins were visualized using a goat anti-rat secondary conjugated to HRP and a chemiluminescence system.