

## Product datasheet for **TA326792S**

### GRP78 (HSPA5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500-1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human BiP
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	heat shock protein family A (Hsp70) member 5
Database Link:	<a href="#">NP_005338</a> <a href="#">Entrez Gene 14828 Mouse</a> <a href="#">Entrez Gene 25617 Rat</a> <a href="#">Entrez Gene 3309 Human</a> <a href="#">P11021</a>
Background:	Secretory and transmembrane proteins are synthesized on polysomes and translocated into the endoplasmic reticulum (ER). Inside the ER, these proteins are often modified by disulfide bond formation, amino-linked glycosylation and folding. To help proteins fold properly, the ER contains a pool of molecular chaperones including BiP. BiP was identified as an immunoglobulin heavy chain binding protein in pre-B cells. It was also found to be induced at the protein level by glucose starvation. When protein folding is disturbed inside ER, BiP synthesis is increased. Subsequently, BiP binds to misfolded proteins to prevent them from forming aggregates and assists in proper refolding.
Synonyms:	BIP; GRP78; HEL-S-89n; MIF2

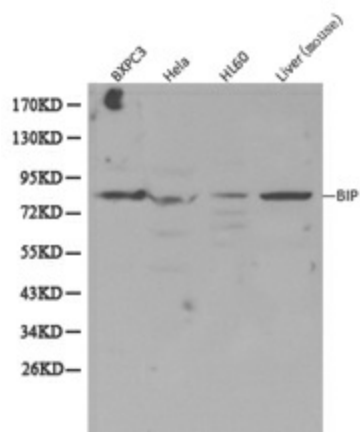


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Protein Families: Druggable Genome

Protein Pathways: Antigen processing and presentation, Prion diseases

### Product images:



Western blot analysis of extracts of various cell lines, using BIP antibody.