

DATASHEET

GRP170 Rabbit Monoclonal Antibody(C1162)

CAT. NO. AMA00774

KEY FEATURES

| | | | |
|---------------|--|---------------|--------------|
| Target | GRP170 | Source / Host | Rabbit |
| Reactivity | Human, Mouse | Clonality | Monoclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. | Storage | at-20°C |

BACKGROUND

Has a pivotal role in cytoprotective cellular mechanisms triggered by oxygen deprivation. Promotes HSPA5/BiP-mediated ATP nucleotide exchange and thereby activates the unfolded protein response (UPR) pathway in the presence of endoplasmic reticulum stress. May play a role as a molecular chaperone and participate in protein folding.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:1000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

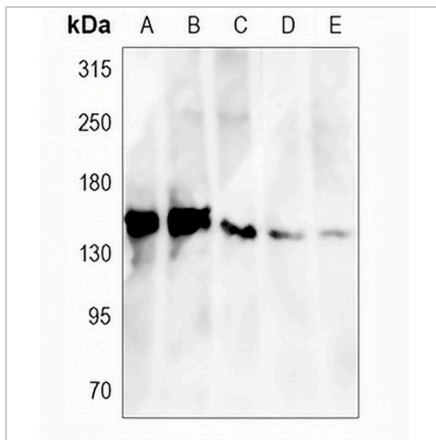
| | |
|-------------------|---|
| Description | Recombinant rabbit monoclonal antibody to GRP170 |
| Specificity | Recognizes endogenous levels of GRP170 protein |
| Antibody Type | Primary antibody, Recombinant |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within human GRP170. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 111 kD; Observed: 150 kD |
| Form/Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. |
| Alternative Names | GRP170; ORP150; Hypoxia up-regulated protein 1; 150 kDa oxygen-regulated protein; ORP-150; 170 kDa glucose-regulated protein; GRP-170 |
| Gene Symbol | HYOU1 |
| Entrez Gene | 10525(Human); 12282(Mouse) |
| SwissProt | Q9Y4L1(Human); Q9JKR6(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of GRP170 expression in K562 (A), THP1 (B), HepG2 (C), mouse liver (D), rat brain (E) whole cell lysates. (Predicted band size: 111 kD; Observed band size: 150 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.