

## Product Datasheet

### Anti-GRP78/BIP/HSPA5 Antibody (orb1743946)

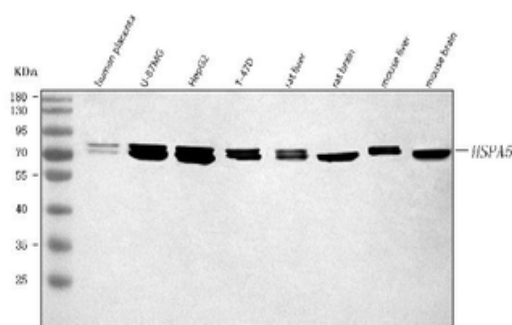
<b>Description</b>	Anti-GRP78/BIP/HSPA5 Antibody. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ELISA, WB
<b>Immunogen</b>	E.coli-derived human GRP78/BIP/HSPA5 recombinant protein (Position: D78-S607).
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Application notes</b>	Western blot, 0.1-0.25 µg/ml, Human, Mouse, Rat ELISA, 0.1-0.5 µg/ml, -. Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Polyclonal
<b>Antibody Type</b>	Primary Antibody
<b>MW</b>	78 kDa
<b>Uniprot ID</b>	<b>P11021</b>
<b>Expiration Date</b>	12 months from date of receipt.

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Western blot analysis of GRP78/BIP/HSPA5 using anti-GRP78/BIP/HSPA5 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human placenta tissue lysates, Lane 2: human U-87MG whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human T-47D whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat brain tissue lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse brain tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GRP78/BIP/HSPA5 antigen affinity purified polyclonal antibody at 0.25 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GRP78/BIP/HSPA5 at approximately 78 kDa. The expected band size for GRP78/BIP/HSPA5 is at 78 kDa.

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