


Product datasheet

Anti-Glutathione Peroxidase 4 antibody ab40993

2 References 画像数 2

製品の概要

製品名	Anti-Glutathione Peroxidase 4 antibody
製品の詳細	Rabbit polyclonal to Glutathione Peroxidase 4
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Human 交差が予測される動物種: a wide range of other species 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human Glutathione Peroxidase 4. Immunogen の所有権に関して (Peptide available as <a href="#">ab41785</a> .)
ポジティブ・コントロール	ab40993 gave a positive signal in the following human tissue lysates: Brain, Testis, Liver, Heart, Skeletal Muscle, Kidney, Colon, Small Intestine (data not shown).

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab40993** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 1 µg/ml.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 22 kDa (predicted molecular weight: 22 kDa).

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#### ターゲット情報

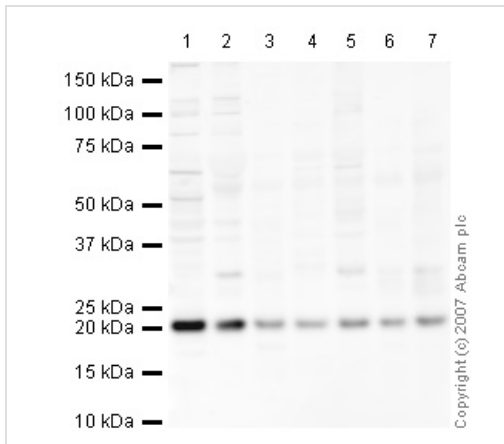
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機能	Protects cells against membrane lipid peroxidation and cell death. Required for normal sperm development and male fertility. Could play a major role in protecting mammals from the toxicity of ingested lipid hydroperoxides. Essential for embryonic development. Protects from radiation and oxidative damage.
組織特異性	Present primarily in testis.
配列類似性	Belongs to the glutathione peroxidase family.
細胞内局在	Mitochondrion. Cytoplasm.

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#### 画像

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Western blot - Anti-Glutathione Peroxidase 4 antibody (ab40993)

**All lanes :** Anti-Glutathione Peroxidase 4 antibody (ab40993) at 1 µg/ml

**Lane 1 :** Human brain tissue lysate - total protein (ab29466)

**Lane 2 :** Human testis tissue lysate - total protein (ab30257)

**Lane 3 :** Human liver tissue lysate - total protein (ab29889)

**Lane 4 :** Human heart tissue lysate - total protein (ab29431)

**Lane 5 :** Human skeletal muscle tissue lysate - total protein (ab29330)

**Lane 6 :** Human kidney tissue lysate - total protein (ab30203)

**Lane 7 :** Human colon tissue lysate - total protein (ab30051)

Lysates/proteins at 10 µg per lane.

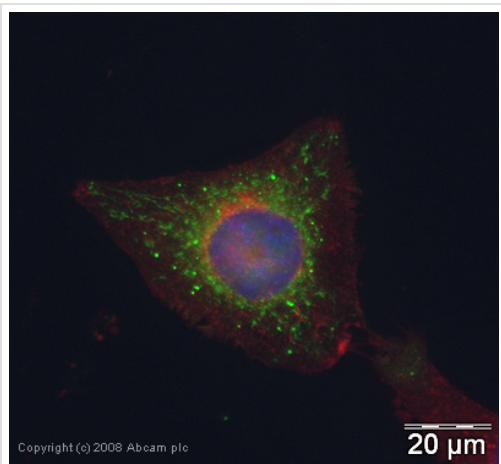
#### Secondary

**All lanes :** IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

**Predicted band size:** 22 kDa

**Observed band size:** 22 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Glutathione Peroxidase 4 antibody (ab40993)

ICC/IF image of ab40993 stained human HeLa cells.

The cells were PFA fixed (10 min), permeabilised in TBS-T (20 min) and incubated with the antibody (ab40993, 1µg/ml) for 1h at room temperature. 1%BSA / 10% normal goat serum / 0.3M glycine was used to quench autofluorescence and block non-specific protein-protein interactions. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red). DAPI was used to stain the cell nuclei (blue).

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