


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.

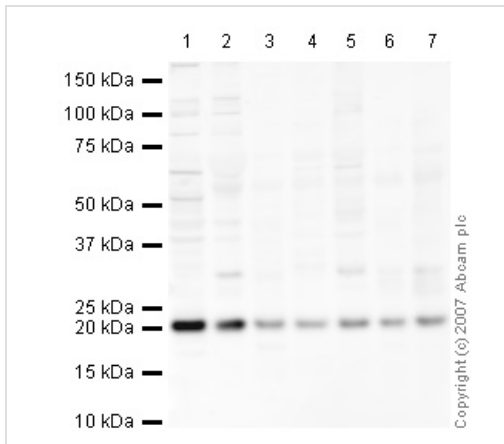
アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 1 µg/ml.

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).

## ターゲット情報

<b>機能</b>	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.
<b>組織特異性</b>	Present primarily in testis.
<b>配列類似性</b>	Belongs to the glutathione peroxidase family.
<b>細胞内局在</b>	Mitochondrion. Cytoplasm.

## 画像



Western blot - 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.

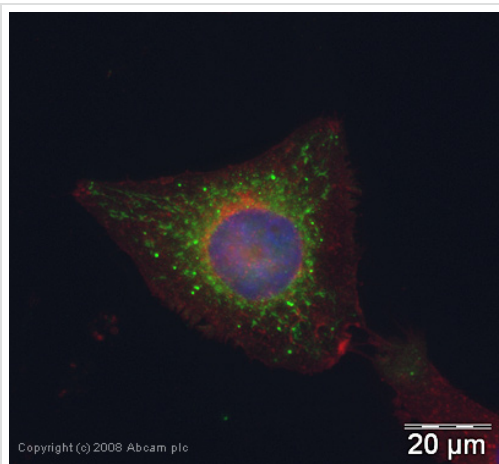
#### Secondary

**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 -  
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, 1 µg/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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