abcam

Product datasheet

Anti-Glycine antibody ab9442

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製品の概要

製品名	Anti-Glycine antibody
製品の詳細	Rabbit polyclonal to Glycine
由来種	Rabbit
特異性	The antibody is calibrated against a spectrum of antigens to assure hapten selectivity. No measurable cross-reactivity (<1:1000) was detected against glycine in peptides or proteins. Fixed tissue cross-reactivity was tested with known targets at the recommended dilution. No measurable glutaraldehyde-fixed tissue cross-reactivity (<1:1000) was detected against L-alanine, gamma-aminobutyrate, agmatine, guanidine, D/L-arginine, L-citrulline, L-cysteine, D/L-glutamate, D/L-glutamine, glutathione, L-lysine, L-ornithine, L-serine, taurine, L-threonine, L-tryptophan, L-tyrosine.
アプリケーション	**適用あり:** IHC-FoFr, IHC-Fr, Immunomicroscopy
種交差性	**交差種:** Species independent
免疫原	Chemical/ Small Molecule by a Glutaraldehyde linker.
特記事項	The product is optimized for HPI/EHPI with gold or fluorescence detection using etched plastic sections. Filter diluted reagents with 0.2 mm syringe filters before use on EM grids. Enzyme-linked visualizations can be used but will compress the signal dynamic range and are less sensitive.

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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
精製度	IgG fraction
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 **ab9442** 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
IHC-FoFr		Use at an assay dependent concentration. Use with frozen or vibratome sections is possible but will not yield optimal images as IgGs penetrate aldehyde cross-linked tissue poorly and most amino acids are present at such high levels that prozone effects occur. Use in whole mounts is not recommended for similar reasons.
IHC-Fr	★★★★★	Use at an assay dependent concentration.
Immunomicroscopy		Use at an assay dependent concentration.

ターゲット情報

関連性

Defects in GLDC are a cause of nonketotic hyperglycinemia (NKH), also known as glycine encephalopathy (GCE). NKH is an autosomal recessive disease characterized by accumulation of a large amount of glycine in body fluid and by severe neurological symptoms. The degredation of glycine is catalised by the glycine cleavage system. The P protein binds the alpha-amino group of glycine through its pyridoxal phosphate cofactor; carbondioxide is released and the remaining methylamine moiety is then transferred to the lipoamide cofactor of the H protein. The glycine cleavage system is composed of four proteins: P, T, L and H.

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