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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Ferritin H [4C9] Bulk Size Ab03942-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 4C9

Alternative Name(s) of Target: FTH1; FTHL6; AIF; acidic isoferritin; Ferritin heavy chain; Ferritin H subunit

UniProt Accession Number of Target Protein: P02794

Published Application(s): WB, ELISA, IHC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with acidic isoferritin (AIF) from primary hepatic carcinoma (PHC) tissues.

Specificity: This antibody binds human acidic isoferritin. Ferritin is a protein that catalyzes the oxidation of ferrous iron(II) to ferric iron(III) and stores iron in a soluble, non-toxic, readily available form. Ferritin is important for iron homeostasis. Ferritins occur as many isoforms, all of which are composed of various combinations of the two primary subunits, H and L. Acidic isoferritins have high proportions of H subunit.

Application Notes: The binding specificity of this antibody towards acidic isoferritin, basic isoferritin and human liver ferritin was determined using ELISA. This antibody does not cross react with basic isoferritin and human liver ferritin. The binding affinity of the original mouse IgG1 format of this antibody for acidic isoferritin was reported to be $K_d = 4.15$ nM. This antibody was used for the immunohistochemical staining of liver tissues of primary hepatic carcinoma (PHC)(PMID: 11604110). This antibody can be used for the identification of acidic isoferritins in a western blot (PMID: 12697395).

Antibody First Published in: You et al. Evaluation of clinical significance of isoferritin by development of new monoclonal antibodies specific for acidic isoferritin. Hybridoma. 2001 Aug;20(4):243-8. [PMID:11604110](#)

Note on publication: Describes the generation and characterization of two antibodies against acidic ferritin.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.