



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Ferritin H [4C9] Bulk Size Ab03942-23.0-BT

**Isotype and Format:** Rabbit IgG, 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.