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## 36-2345: Anti-Ferritin, Light Chain (Node-Negative Breast Tumor Prognostic Marker) Monoclonal Antibody(Clone: rFTL/1388)

Clonality: Monoclonal
Clone Name: rFTL/1388
Application: WB,IHC
Reactivity: Human
Gene: FTL
Gene ID: 2512
Uniprot ID: P02792

Alternative Name: Ferritin L chain; Ferritin L subunit; Ferritin light chain; Ferritin light polypeptide; FTL; LFTD;

NBIA3

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant fragment (around aa 38-165) of human FTL protein (exact sequence is

proprietary)

## **Description**

Mammalian ferritins consist of 24 subunits made up of 2 types of polypeptide chains, ferritin heavy chain and ferritin light chain. Ferritin heavy chains catalyze the first step in iron storage, the oxidation of Fe (II), whereas ferritin light chains promote the nucleation of ferrihydrite, enabling storage of Fe (III). Light chain ferritin is involved in cataracts by at least two mechanisms, hereditary hyperferritinemia cataract syndrome, in which light chain ferritin is overexpressed, and oxidative stress, an important factor in the development of ageing-related cataracts.

## **Product Info**

**Amount:** 20 μg / 100 μg

**Content:** 200 μg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/ml for 30 min at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

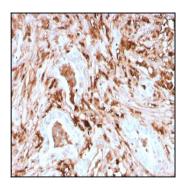


Fig. 1: Formalin-fixed, paraffin-embedded human Pancreas stained with Ferritin, Light Chain Recombinant Mouse Monoclonal Antibody (rFTL/1388).



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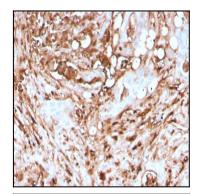


Fig. 2: Formalin-fixed, paraffin-embedded human Pancreas stained with Ferritin, Light Chain Recombinant Mouse Monoclonal Antibody (rFTL/1388).

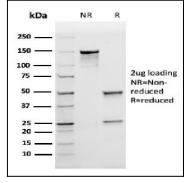


Fig. 3: SDS-PAGE Analysis Purified Ferritin LC Recombinant Mouse Monoclonal Antibody (rFTL/1388). Confirmation of Integrity and Purity of Antibody