9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

12-1179: Anti-Ferritin, Light Chain (FTL) (Microglia Marker) Recombinant Rabbit Monoclonal Antibody (Clone:FTL/2338R)

Clonality :	Monoclonal
Clone Name :	FTL/2338R
Application :	WB,IHC
Reactivity :	Human
Gene :	FTL
Gene ID :	2512
Uniprot ID :	P02792
Format :	Purified
Alternative Name :	Ferritin L chain; Ferritin L subunit; Ferritin light chain; Ferritin light polypeptide; FTL; LFTD; NBIA3
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant fragment of human FTL protein (around aa 38-165) (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
Purification :	Protein A/G
Content :	200µg/ml of recombinant MAb purified 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 (1-2Ã□Âµg/ml);Immunohistochemistry (Formalin-fixed) (1-2Ã□Âµg/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);

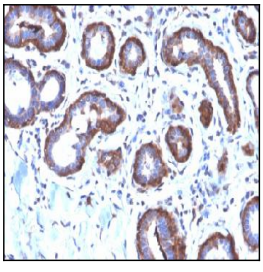

Figure 1: Formalin-fixed, paraffin-embedded Human Breast Carcinoma stained with Ferritin, Light Chain Rabbit Recombinant Monoclonal Antibody (FTL/2338R).

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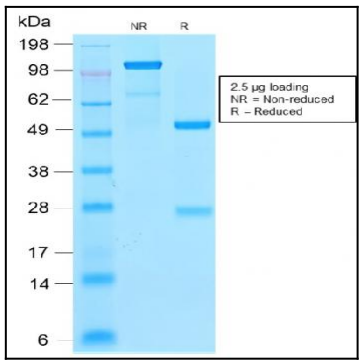

Figure 2: SDS-PAGE Analysis of Purified Ferritin, Light Chain Rabbit Recombinant Monoclonal Antibody (FTL/2338R).