

## Product datasheet for **TA321425S**

### Ferritin Heavy Chain (FTH1) Rabbit Polyclonal Antibody

#### Product data:

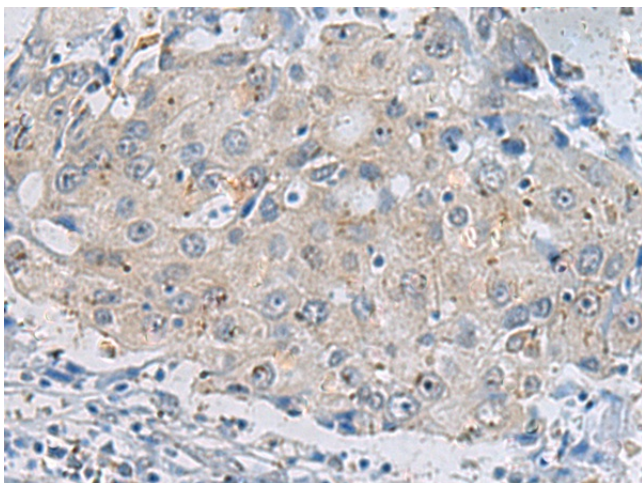
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 100-200 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	ferritin heavy chain 1
Database Link:	<a href="#">NP_002023</a> <a href="#">Entrez Gene 14319 Mouse</a> <a href="#">Entrez Gene 25319 Rat</a> <a href="#">Entrez Gene 2495 Human</a> <a href="#">P02794</a>
Background:	This gene encodes the heavy subunit of ferritin; the major intracellular iron storage protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light ferritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and release in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic state. Defects in ferritin proteins are associated with several neurodegenerative diseases. This gene has multiple pseudogenes. Several alternatively spliced transcript variants have been observed; but their biological validity has not been determined.
Synonyms:	FHC; FTH; FTHL6; HFE5; PIG15; PLIF
Protein Families:	Druggable Genome



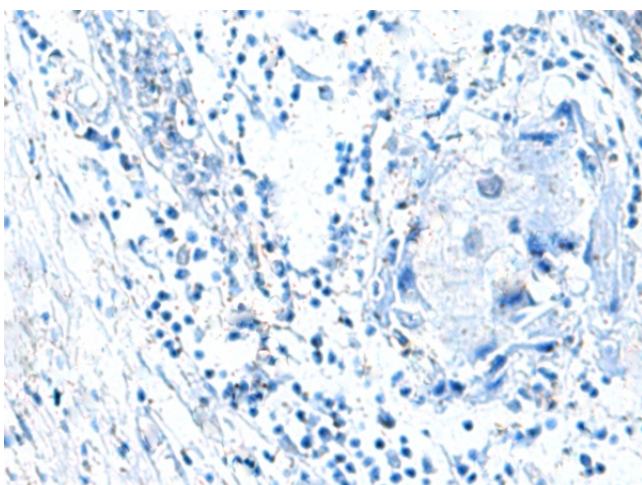
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Protein Pathways: Porphyrin and chlorophyll metabolism

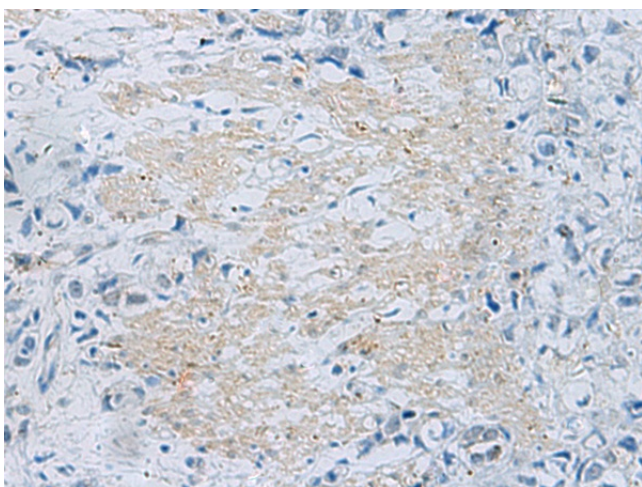
### Product images:



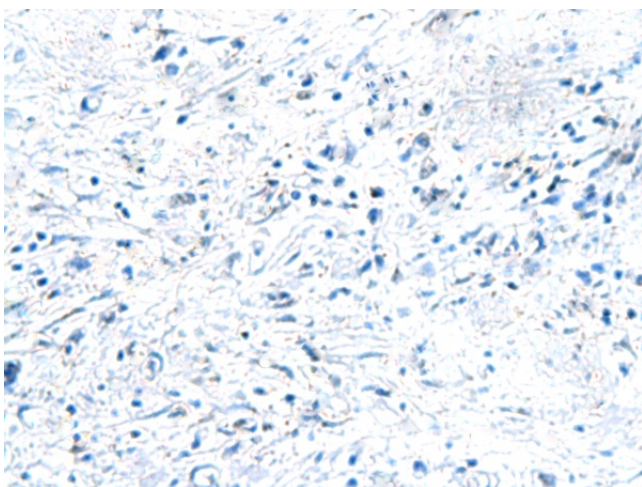
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA321425] (FTH1 Antibody) at dilution 1/140 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA321425] (FTH1 Antibody) at dilution 1/140, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA321425] (FTH1 Antibody) at dilution 1/140 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA321425] (FTH1 Antibody) at dilution 1/140, treated with fusion protein. (Original magnification: ×200)