

P4HB/ERBA2L Monoclonal Antibody

catalog number: AN200187P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

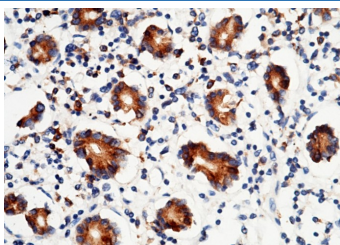
Description

Reactivity	Human
Immunogen	Recombinant Human P4HB protein
Host	Mouse
Isotype	IgG1
Clone	10F7
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

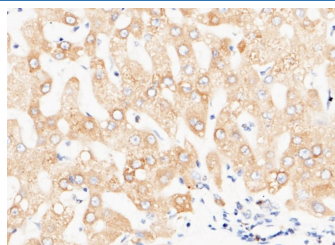
Applications Recommended Dilution

IHC-P	1:20-1:80
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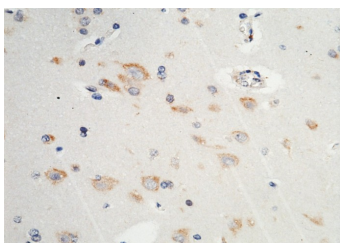
Data



Immunohistochemistry of paraffin-embedded human small intestine using P4HB/ERBA2L Monoclonal Antibody at dilution of 1:30.



Immunohistochemistry of paraffin-embedded human liver using P4HB/ERBA2L Monoclonal Antibody at dilution of 1:30.



Immunohistochemistry of paraffin-embedded human brain using P4HB/ERBA2L Monoclonal Antibody at dilution of 1:30.

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

This gene encodes the beta subunit of prolyl 4-hydroxylase, a highly abundant multifunctional enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues in procollagen. This enzyme is also a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds. Other known functions include its ability to act as a chaperone that inhibits aggregation of misfolded proteins in a concentration-dependent manner, its ability to bind thyroid hormone, its role in both the influx and efflux of S-nitrosothiol-bound nitric oxide, and its function as a subunit of the microsomal triglyceride transfer protein complex.