

Product datasheet for TA355380

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

EU: info-de@origene.com CN: techsupport@origene.cn

P4HB Mouse Monoclonal Antibody [Clone ID: 3G5]

Product data:

Product Type: Primary Antibodies

Clone Name: 3G5
Applications: WB

Reactivity: Human Host: Mouse

Isotype: IgM, kappa
Clonality: Monoclonal

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Concentration: lot specific

Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 58kDa

Gene Name: prolyl 4-hydroxylase subunit beta

Database Link: NP 000909

Entrez Gene 5034 Human

Q96C96



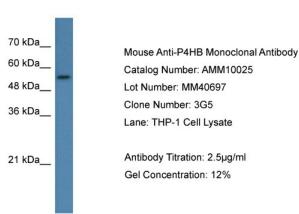
Background:

P4HB is 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 preprocollagen. 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.

Synonyms: DSI; ERBA2L; GIT; P4Hbeta; p55; PDI; PDIA1; PHDB; PO4DB; PO4HB; PROHB

Protein Families: Druggable Genome

Product images:



WB Suggested Anti-P4HB Antibody

Titration: 2.5 ug/ml

Positive Control: THP-1 Whole Cell